Oral Hygiene

VOL. 36, NO. 6 JUNE	1946
Picture of the Month	989
Tightropes and Dentistry	990
Air Conditioning for Dental Offices	994
Psychogenic Factors in Oral Disease	998
Is The Dental Profession Slipping? H. S. Susman, D.D.S.,	1002
The Dentist Considers Financial Security	1004
Portraits and Profiles of American Dentists	1010
Fitting the Patient to the Denture	1014
How to Make Yours a "Control Practice"	1018

DEPARTMENTS:

The Publisher's Corner 954		
So You Know Something	Editorial Comment 10)28
About Dentistry! 1013	Ask Oral Hygiene 10)3(
Dentists in the News 1023	Laffodontia 10	38

Edward J. Ryan B.S., D.D.S. ASSISTANT EDITOR
Marcella Hurley
B.A.

Rea Proctor McGee



D

R

EDITORIAL OFFICE: 708 Church Street, Evanston, Ill.; PUBLICATION OFFICE: 1005 Liberty Avenue, Pittsburgh 22, Pa.; Merwin B. Massol, Publisher; W. Earle Craig, D.D.S., Associate; Robert C. Ketterer, Publication Manager; Dorothy Sterling, Promotion Manager; Elizabeth Boyle, Circulation Department Manager. DISTRICT ADVERTISING OFFICES: NEW YORK: 7 East 42d Street; S. M. Stanley, Vice Pres.-Eastern Manager. CHICAGO: 870 Peoples Gas Building; John J. Downes, Western Manager. ST. LOUIS: Syndicate Trust Bidg.; LOS ANGELES: 816 West 5th Street; SAN FRANCISCO: 68 Post Street; Don Harway, Pacific Coast Manager. Copyright, 1946, Oral Hygiene, Inc. Member Controlled Circulation Audit.

PROCAST . ORACAST . MULTICAST . SPEED AND SE

The all-round performance of
Aderer's PROCAST
in casting and in mouth service
has made it a standard specification for
better dentures with many
thousands of Dentists and their Technicians.
Its quality is outstanding
even in the outstanding line of
Aderer Golds.
To be certain of consistent, excellent
results, you can do no better than
to depend upon PROCAST.



ADERER GOLDS



LIKE OLD TIMES

Every month more and more service men are returning to their jobs at General Electric X-Ray Corporation. Every week they are producing more and more dental x-ray equipment.

And every day, more dentists are being made happy by receiving their MODEL CDX dental x-ray units.

It is a pleasure to be able to step up production to meet the dental profession's ever increasing demands for CDX units. Our obligations to the war effort prohibited our doing so these past few years.

As each day sees more orders for CDX dental x-ray units, we can only suggest that the earlier you order your CDX, the sooner will be its delivery.

OUR HATS OFF

... to those dentists who are temporarily forgoing their CDX deliveries, in order that dentists who gave up their practices to enter military service may reestablish their practice with a CDX at the earliest date possible.

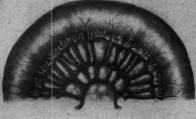
GENERAL & ELECTRIC X-RAY CORPORATION

Gentle Pressure of Liquid Bulk for gentle yet thorough laxation



Schematic section of villi showing fluid exchange system through blood vessels whereby water is drawn into the bowel to help form "liquid bulk."

Macroscopic view showing how fluid exchange is facilitated by drawing of excess bulk to the intestine through the highly vascularized mesenterium.





The gentle action of SAL HEPATICA is not localized to one particular section of the canal. It is effective throughout the entire bowel, beginning at the upper end of the intestine and extending to the lower segment.

IC



A Product of BRISTOL-MYERS COMPANY, 19 West 50th Street, New York 20, N. Y.



IDEAL TOOTH INCORPORATED

No better formula to follow...

Dr. Myerson's teeth are made to follow nature's own formula where beauty of form is combined with nature's own dentine colors showing softly and lustrously through a transparent enamel. This remarkable duplication of nature's beauty is integrated with maximum ceramic strength. This masterpiece has been imitated the world over but never equalled.

Dr. Myerson's

TRUE-BLEND ANTERIORS

and

TRUE-KUSP POSTERIORS

Clinical Investigation shows

Forhan's massage effective home adjuvant in GINGIVITIS

For years FORHAN'S Toothpaste has been used with massage by thousands as a home adjuvant to professional care in helping to guard against Gingivitis. A recent important clinical investigation indicates

Hundreds of patients were examined, and 795 the wisdom of the above procedure. were found to be Gingivitis cases. Approximately half were first given prophylaxis. All were instructed to massage gums with FORHAN's Toothpaste for a 30-day test period.

At end of test period:

95% of those having Gingivitis showed

marked improvement. 100% of those with normal gums maintained gums in healthy condition.

Certainly, in view of these facts, you should feel justified in recommending FORHAN'S with massage to your patients.

> THERE ARE NO HARSH ABRASIVES IN FORHAN'S

Forhan's with massage

For Firmer Gums—Naturally Sparkling Teeth

ORAL HYGIENE FOR JUNE . 1946 36TH YEAR

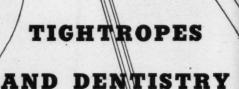
Picture of the Month



THE NATIONAL Intercollegiate Golf Champion for 1945 was Doctor John Lorms, a graduate of Ohio State University College of Dentistry. As an Ohio State golfer, Doctor Lorms was co-medalist of the Western Intercollegiate Conference, was undefeated in dual competition, and was a powerful member of the University's Big Ten and National Championship team of 1945. He is now an officer in the Naval Dental Corps.—

Photograph courtesy of Paul G. Welles, D.D.S.

Ten dollars will be paid for the picture used in this department each month. Send gloss prints with return postage to Oral Hygiene, 708 Church Street, Evanston, Illinois.



Safeguard your dental practice by following the suggestions of this practitioner.

By HARRY C. PEAKE, D.D.S.

THE AVERAGE man who enters the profession of dentistry does so with two ideas in mind. One, and it probably comes first, is to make a living for himself and the family

he hopes to have; and the other is to make living for the other fellow just a little more comfortable. If he was seeking thrills he would not enter a profession at all, but would take up tightrope walking or driving racing cars.

Yet there are some members of the dental profession who, ignoring all signs and symptoms, take more chances than the tightrope walker and racing driver combined. The only difference is that they take the chances with the other fellow's life. But the results to them may be just about as drastic. The average man wants to keep out of trouble—and the average man is wise to feel that way.

In the field of exodontia, for example, the general practitioner is constantly met with inviting looking ropes stretching out for him to walk. There are two things to be kept constantly in mind. Never make a "snap" diagnosis of even the most simple extraction, and always tell the patient if anything untoward happens—or is expected to happen.

There are times when it is not only convenient but good practice to leave a root in place. But never do this without telling the patient it has been done, unless it is desired that the patient go to another office at a later date and have a roentgenogram taken which will show the apparent neglect of the first operator. Malpractice suits result from this sort of treatment.

If a patient presents complaining that during an extraction in another office the tooth broke, and the other operator gave him a "tough" time, it is a good plan to explain that teeth are frequently broken purposely, and that in this case it

will also be necessary to fracture the crown. Then, if the crown does fracture, the patient is prepared for it; and, if it does not, he thinks a wonderful operation has been performed in avoiding any breakage. It is always best to let the patient expect the worst, and then, when it does not happen, a real practice builder has been created.

Surgical Preparation

Most dental offices are reached by climbing a flight of stairs. When a patient enters, breathing heavily, and asks to have all his remaining teeth removed, the tightrope is stretching right in front of the operator. What do these external symptoms suggest? Possibly goiter, with accompanying circulatory disturbances. Is it not asking for trouble to give this patient a general anesthetic?

What does the smell of acetone on a patient's breath indicate? Diabetes. And is a diabetic a good risk for multiple extractions?

Do bluish gingival tissues mean anything? Does the patient with small ruptured blood vessels just under the skin of the face tell the operator anything? This usually means high blood pressure, with an increased likelihood of prolonged hemorrhage. It is a wise man who notes these symptoms and follows his own diagnosis instead of following blindly the patient's directions to perform multiple extractions.

It is always a good plan to note everything about a patient which is visible to the eye. Is the patient overweight, and why? Do his clothes hang loosely on him, denoting sudden loss of weight? Why did this take place? If it is not apparent, ask him. The patient will appreciate these precautions. No matter how casual a patient appears, the removal of a tooth is not an everyday occurrence to him; and the operator who takes time to get a history of the case will rate higher than one who goes right to operating as soon as the patient is seated.

The same might be said about taking the temperature of a patient before surgical procedures. It may take a moment longer, but it frequently is the means of warding off difficulty for both patient and operator, and it certainly raises the operator in the eyes of the patient. No patient likes to feel that he is in the office on borrowed time, and that the dentist is champing at the bit to get on with the next one.

Premedication for surgery is often resorted to, and this is another inviting tightrope. In many cases there will be no bad effects, but the next one may be altogether different. Suppose while driving home the patient gets into an accident and is killed or injured-or kills someone else. What then? Never use premedication unless the patient has been previously warned, and is accompanied by another person. Or, if it should be necessary, one of the office staff should conduct the patient to his home. If nobody else is available, the operator must do this himself. Patients appreciate these things, and higher fees are possible.

Restorations

But surgery is not the only field in which the tightropes are strung out. There is always the patient who comes in complaining that a restoration has dropped out a few days after it was placed. If this man sets himself up as an advertising agency for the office where that restoration was done, it won't do the office any great amount of good. But if the patient was told that when restorations come out within a short time after being placed it is because the patient has fractured them in some way before full hardness has been obtained. there is a totally different story. In most cases the patient will come back to the office admitting his own carelessness, and be perfectly willing to pay for the re-insertion of the restoration. These accidents are not the fault of the dentist. Explain that to the patient, but explain it before the accident takes place. Then, if there should be no accident and the restoration is a success, the patient pats himself on the back for having taken such good care of it. Put the onus on the patient when it rightfully belongs there.

Denture Patients

Never guarantee any dental treatment, particularly in the field of prosthetics. Many patients try to get a guarantee with dentures.

e

s

n

s

.

S

0

a n h

18

ld to s. These people should be asked if the man they bought their last pair of shoes from guaranteed them to last as long as their feet. It is just as reasonable to expect a pair of shoes to last a lifetime as it is to expect that amount of service from a denture. If the patient says Doctor Brown, down the street, will give such reassuring promises, take him to the door and get him on his way before he changes his mind-and send Doctor Brown a bottle of aspirin to combat the headaches which are coming his way. A patient who has a guarantee, either implied or stated in so many words, will be back to plague the giver with the regularity of an installment collector.

What about roentgenograms? The patient should never be allowed to think they are taken for the dentist's own convenience. No operator should ever tell a patient he is taking roentgenograms to assist him in removing a tooth. The roentgenogram is taken for the express purpose of indicating in which way the tooth may be removed to cause the least pain or

trauma to the patient. In this instance the dentist is thinking of the patient's good and not of his own convenience; the patient's estimation of the operator goes up in proportion—and the roentgenograms are paid for with a smile.

Some patients may object to a certain fee, and make the statement that the fees are the result of the operator having too expensive equipment. What is the answer to that? In order to give the patients the best possible service it is necessary to keep abreast of the times, and take advantage of all the scientific improvements which are introduced. In the old days, extractions were performed by the village blacksmith. Would this patient like to have his service done in those surroundings?

There are two main factors to be remembered if the dentist wishes to keep out of difficulty. The first is correct diagnosis, and the second is placing the onus of responsibility where it belongs.

466 Partington Avenue Windsor, Ontario Canada

ORAL HYGIENE AWARD

ORAL HYGIENE'S \$100 prize has been won this month by Harry C. Peake, D.D.S., for his article TIGHTROPES AND DENTISTRY.



MANUFACTURERS of air conditioning devices have now at last begun to produce efficient, low-cost small units which can maintain the optimum temperature and humidity necessary for a dentist to give his best service with the least fatigue to himself and the most comfort to his patients. The apparatus for shops installed them.

in

tl m th ti 0

0 m di

fe ba bi

Ы

It

SU

ex

th

cl

Z

aı

th

ve

at

m

gr

CC

One supplier of air conditioning machines to such users has just made a survey of their reactions. Virtually everyone was delighted with the results of air conditioning. They reported that employees showed less fatigue, increased their work output, reduced their errors, were absent and tardy less, produced cleaner work, and conducted themselves better. Customers

^{*}Mr. Weiss, New York Consultant Editor, was formerly associate editor of Time Magazine.

More comfort and efficiency are two advantages to dental personnel and patients in an air-conditioned office.

like air conditioning, are less irritable, and easier to serve. It attracts new customers.

Person-to-person relationship is the dentist's chief interest. The more comfortable and calm people are, the better they get along, and the more enduring their associations; air conditioning of dental offices helps.

The climate we live in affects our physiologic reactions and our behavior. In hot weather we must perspire, but not excessively. Otherwise we become fatigued. When the weather is hot and humid our perspiration cannot easily evaporate. The moisture we produce clings to us like an overcoat.

In a hot, dry atmosphere, in an overheated room in winter, we suffer another effect of moisture imbalance. The nasal mucous membranes dry up. We become irritable. Fouled air also wears us down. It contains noxious contaminants, such as soot, traffic debris, animal exhalations, germs.

Men have accomplished most for themselves and their fellows in the climate of the North Temperate Zone. In this climate belt have arisen the great civilizations of the earth and our fundamental inventions. The surgings of temperate weather stimulate us, but we must protect ourselves against greater weather changes than our constitutions can endure.

Those of us, say dentists, who

must work indoors are obliged to regulate our own climate. If we shut doors and windows to conserve heat in winter or to shut out heat in summer, we stop the circulation of air. Yet we require the circulation of air to bring fresh air to our lungs, and to carry away fouled air. We need that circulation also to aid our bodies maintain normal temperature. And there is a stimulating value in the mere contact of fresh air against the skin.

The ideal climate in which we can work efficiently has been the special study of members of the American Society of Heating and Ventilating Engineers and of the manufacturers of air conditioning equipment. It has a temperature that ranges between 68° and 82° F. and a relative humidity range between 30 and 60 per cent. This ideal occurs often enough and long enough in our North Temperate Zone to make this belt the most stimulating in the world.

But it is only an ideal. In Saint Louis, for example, only thirty-five days out of the year are within this temperature range. Residents of Saint Louis, incidentally, must be prepared to deal with weather that has ranged from a high of 110° F. to a low of 22° below zero F.—a swing of 132°. Other wideranging U. S. communities are Bismarck, North Dakota (159°); Pierre. South Dakota (155°):

si

st

CC

ne

fc

lie

h

p

ti

a

I

a

le

Y

r

I

god

d

7

a

t

1

6

Boise, Idaho (149°); Helena, Montana (145°); Winnemucca, Nevada (144°); Omaha, Nebraska (143°); Dubuque, Iowa (142°). New York ranges from 102° to 14° below zero; Chicago from 105° to 23° below; San Francisco from 101° to 27°; New Orleans from 102° to 7°.

Working Temperature

The most satisfactory temperature for working indoors depends on the temperature outdoors. The warmer it is outdoors, the higher may be the temperature indoors. As the outdoor temperature goes up the indoor temperature should also go up. It should go up more slowly, however. For an outdoor temperature of 90° the indoor temperature should not be lower than 78° for the most comfortable and efficient working conditions. Relative humidity should be maintained between 30 and 60 per cent.

Air Conditioning Processes

To maintain optimum working conditions an air conditioning machine must bring fresh air into a room and circulate it. The apparatus must also filter incoming air because the atmosphere of all our large cities is foul with soot, filth and debris. Hay fever pollen is also a contaminant in many localities. In summer incoming air must be cooled and dehumidified. In winter overheated, overdried air must be driven out.

A fan within the air conditioner draws air through a filter (which may be removed and cleaned as necessary) and over cooling coils similar to those in a mechanical refrigerator. As air cools it gives up its moisture. The fan may be reversed to drive fouled air out of the room.

Concerning Dentistry

Although air conditioning can greatly benefit the dental patient, the dentist, and his assistants, it makes insignificant differences in mechanical procedures. High humidity might cause trouble in packing a gold restoration, if the dentist did not have to pass the pellet of foil through the flame to make it adherent. High humidity delays the hardening of plasters. But the dental technician adjusts his technique to that situation. High room temperatures make waxes a trifle difficult to handle. Temperature and humidity affect the development and drying of x-ray film. But the sum of all those slight troubles does not in itself seem to warrant the use of air conditioning equip-

The advantages to patients and personnel do seem to make these devices worth while. The benefits to dental practices include the following:

- 1. An air-conditioned office has prestige.
- 2. Patients will come in despite hot weather. This prevents summer slump of business.
- 3. Patients are likely to be pleasant in a comfortable office.
 - 4. Patients are relieved of phy-

siologic adjustments for maintaining normal body temperature. Therefore, they experience less strain while in the dental chair.

In an air-conditioned office the dentist and his assistants are more comfortable and efficient. They do not need to change to a fresh uniform two or three times a day. Relieved of the enervating effects of

hot weather they all do their work more easily. They can maintain a professional calm and escape the tensions that are likely to develop in dealing with patients during hot weather. An air-conditioned office should help any dental practice.

130 West 57th Street New York 19

DENTAL LIFE REFLECTED IN PRIZE-WINNING STORIES

ALMOST \$4000 in awards have been won by dental writers in the monthly ORAL HYGIENE contest in which the author submitting the best story published each month receives a \$100 prize.

Dental officers, civilian dentists, dental assistants, and dental hygienists, have been awarded prizes for a wide variety of stories. "The Dentist Has a Housing Problem Too" is the title of one prize-winning article and another one answers the timely question, "Who Will Get the Surplus Dental Property?" One dentist described his rugged life on the Yukon, another offered his reasons for the failures in dentistry, and a forward-looking dentist contributed his practical ideas for a retirement plan.

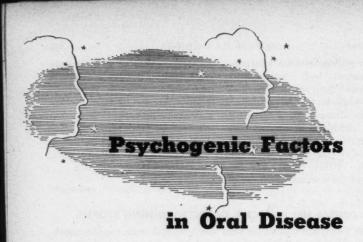
Your own story may be just as interesting as any of those you have read in Oral Hygiene. And you are the only one who can tell it!

If you don't have a gift for feature writing you may have practical suggestions for improving dental practice, for the wider distribution of dental service to the public, for a retirement program, or a plan to aid dentists who are returning from military service.

Whatever your ideas about the future of dentistry are, we want to know about them. Tell us in 1500 words what your own plans are or what the dentists around you are thinking and talking about. Here are the rules to follow:

- 1. Your article must have a dental angle.
- 2. Set down your ideas in simple, direct, forceful language without literary flourishes.
- 3. All manuscripts must be limited to 1500 words, typed, double-spaced, and accompanied by return postage.

Send your story now! You may be the winner of the next \$100 award. Mail your manuscript to: Edward J. Ryan, D.D.S., Editor, ORAL HYGIENE, 708 Church Street, Evanston, Illinois.



By ROBERT S. GILBERT, B.S., D.M.D.

MEDICAL MEN today no longer disparage the concept that there exists an etiologic interrelation between diseases of the body (soma) and disturbances of the mind (psyche). Indeed, the term psychosomatic, which expresses this concept, is now commonplace in the medical literature.

"By and large," Hinsie states, "psychosomatic medicine has to do with the translation of mental conflict into physical terms." Popular expressions and daily experiences afford numerous examples of this phenomenon which is technically known as conversion. A person is afraid, and his knees tremble; he is embarrassed, and he blushes; he

is confronted with a vexing problem, and he complains of a "load on his chest."

Some time ago I had the opportunity to observe the tragic effect of an emotional trauma in a child twelve years of age. This child was a diabetic but doing well with small doses of insulin. The day before he was to be discharged from the hospital, he was referred to the dental department for the removal of a deciduous molar which was slightly infected. As the roots were almost completely resorbed and the tooth mobile, it was simply removed, employing for an anesthetic a topical application of ethyl chloride. The child did not appear unduly apprehensive during the extraction. Twelve hours later, however, the child lapsed into a diabetic coma and died. Postmortem examination proved negative.

¹Hinsie, Leland: The Person in the Body, ed. 1, New York, W. W. Norton & Company, Inc., 1945, page 22.

Dentists should be prepared to recognize patients in whom dental disease is an expression of an emotional conflict.

A pediatrician, when asked for his opinion, put it this way: After the extraction was performed, the patient's liver, his pancreas, in fact, all his glands and organs, "went on strike." Large doses of insulin had no more effect than so much water. The death can be explained only on the basis of an emotional disturbance concurrent with the removal of the tooth.

As a dental consultant in the medical consultation service of a large metropolitan hospital, I have been impressed with the high percentage of cases which come up for diagnosis with complaints of pain or discomfort in the teeth and jaws, which, after exhaustive investigation, prove to be of psychogenic origin.

The dentist is frequently called upon to treat such patients in everyday practice. However, he cannot effect a cure when the cause is not to be found in the teeth or jaws but rather in the patient's

psyche.

h.

be

r-

ct

ld

as

th

e-

m

ne

al

as

re

ne

e-

t-

vl

I

le

r,

a

r

e.

The following case history is

typical of this group:

The patient was a married woman, age 37, who for the past several months had suffered constant, severe pain in the left upper jaw. Comprehensive medical and dental findings were negative. Significantly, the pain began at the funeral of her sister who was unmarried and had lived alone, and whom the patient felt she had neglected after her own marriage. This situation produced in her feelings of guilt and her pain served to fulfill her need for punishment.

The mouth is frequently the site of various psychosomatic manifestations because, as Binger² has stated, it is a region surcharged with an enormous psychologic potential. This is understandable when it is recalled how important is the oral zone in the psychosexual development of the individual.

English emphasizes the fact that "the oral zone during the first year of life serves to express the needs of the individual for the preservation of his life and is the main avenue for the expression and gratification of his desires for physical pleasure, his loves and hates, his needs for love and affection from other people and his curiosity about and desires to conguer and master the world around him."3 Thus in the first year of the child's life, the mouth serves almost exclusively to satisfy his instinctive cravings and needs. Later. after the child has been weaned. he attempts to transfer expressions of his instinctive desires to other bodily zones: first the anal, then the genital. However, should the

⁹Binger, Carl: Lecture (unpublished) at New York Institute of Clinical Oral Pathology, Academy of Medicine, New York, February, 1946. ⁸English, O. S., and Pearson, G. H. J.: Common Neuroses of Children and Adults, ed. 1, New York, W. W. Norton & Company, Inc., 1937, page 82.

oral phase of his psychosexual development be disturbed, it may well be prolonged and later in life reactivated and thus result in disorders of the oral functions and the desire for infantile oral pleasures. Examples of such disorders are: excessive smoking and eating, gum chewing, nail biting, and finger sucking.

The dentist is more particularly concerned with the habit of thumb sucking in his child patients, as he is frequently consulted by the parents who are worried that this habit if continued may lead to malocclusion and mouth deformation. While this is true in some cases, especially when the method of sucking tends to thrust the thumb vigorously outward against the upper teeth, in most cases there is no harm to the mouth and teeth.

It should be strongly emphasized, however, in order that due caution is exercised, that the attempt by compulsion or reproof to break the habit in children over six years old may lead to some form of a more severe neurosis.⁴

Mouth Lesions

The dentist observes many mouth lesions which frequently are of psychogenic origin. These lesions are usually of a benign character, but occasionally they are oral manifestations of a grave systemic disease.

Herpes simplex and labialis regularly develop in many individuals after an emotional upset,⁵ Cronquist and Bjerre report a patient in whom ulcers developed on the oral mucosa; no infectious or other cause could be found after careful investigation. Suggestive treatment, however, resulted in the complete disappearance of the lesions without recurrence.⁵

A number of investigators have confirmed the fact that pemphigus, a grave disease characterized by vesicular lesions in the mouth, is in many cases of psychogenic origin.⁵ Other investigators have reported instances of patients who developed lichen planus after a severe psychic trauma.⁶

The mechanism whereby these lesions are produced is not clearly understood. There are several plausible hypotheses. One investigator states that the deep instinctive cravings or repressed desires of the personality initiate so-called "endogenous stimuli" which are transmitted to the muscles and organs by hormones or nerve fibers, and thus set up disturbances in these tissues which lead to organic alterations.⁷ It is an experimentally proved fact that the mechanism operates through the autonomic nervous system. Vegetative stimuli, psychically induced, may cause a lasting contraction or spasm in the smooth musculature of blood vessels or organs, which results in an

⁵Dunbar, H. F.: Emotions and Bodily Changes, ed. 2, New York, Columbia University Press, 1938, pages 381, 382, 383.

[&]quot;Obid., page 401.
"Menninger, K. A.: Man Against Himself, ed. 1, New York, Harcourt, Brace and Company, 1938, page 355.

⁴English, O. S. and Pearson, C. H. J.: Common Neuroses of Childhood and Adults, pages 98, 99.

6

ischemia of the part involved. The tissue, lacking nutrition, breaks down, and an ulcer is produced.8

States of emotional tension which lead to changes in the vascular tonus of the oral tissues may thus be a significant factor in the etiology of paradentosis.

The salivary glands, especially the parotid, is frequently affected by emotional stress. Payne reports the case of a surgeon who under the strain of a difficult operation would develop a tumor-like swelling in Stensen's duct. Sialograms revealed no obstruction. Payne ascribes the condition to a "neuromuscular incoordination" under the parasympathetic, induced by nervous tension.9

Many investigators have confirmed the fact that affective influence can change the chemical and physical composition of the saliva. The rhodan and nitrogen content are altered.10 and often the serous secretion of the parotid becomes viscid and ropy.

Ryan states that it has been observed that "dozens of patients, for no apparent reason, developed acute forms of caries or soft tissue disease. We have had difficulty in reconciling some of these with bacteriologic or nutritional explanation. . . . We often are able to determine from their histories that these people have undergone a recent emotional trauma or that they are markedly fatigued."11

It is possible that in some of these cases a definite correlation exists between dental caries and the saliva which has been psychically altered quantitatively and qualitatively.

It is of obvious importance that the dentist include in his scientific armamentarium a more than casual understanding of psychosomatic interrelationship. To achieve this understanding, however, the dentist must have a sound knowledge of the work of experimental physiologists, such as Cannon and Paylov, as well as that of the psychologists, such as Freud and Ferenzci; because, basically, psychosomatic phenomena are the resultant of the interaction of psychologic and physiologic mechanisms.

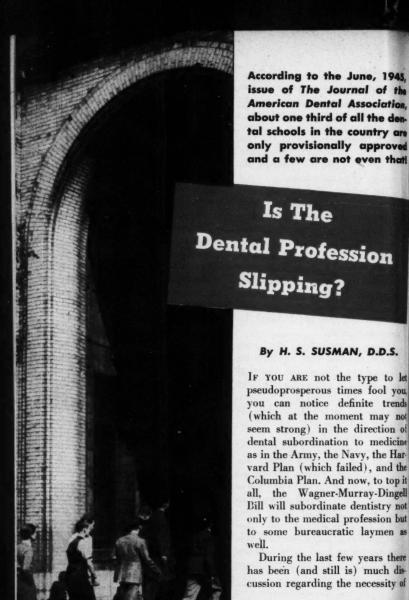
The possession of this knowledge does not mean to imply that the dentist should undertake to probe the deep springs of psychologic motivations in his patients: indeed, to attempt to do so would be extremely hazardous. However, if, after a careful investigation, the dentist is convinced or suspects that the patient's oral disease is not merely a local condition but a somatic expression of an unconscious emotional conflict, then he should communicate his opinion to the patient's physician, whose responsibility it is to refer the patient to a psychotherapist.

17 East 89th Street New York 28

11Ryan, E. J.: The Principles of Psychosomatic Medicine in Dental Practice, Harvard D. Alumni Bull., November, 1945,

^{*}Dunbar, H. F.: Emotions and Bodily Changes, ed. 2, New York, Columbia University Press, 1938, page 75. *Payne, R. T.: Idiopathic Dilatation of Stensen's Duct, Lancet, 1:655, 1936. *Dunbar, H. F.: Emotions and Bodily Changes, ed. 2, New York, Columbia University Press,

^{1938,} page 280,



There is much discussion regarding ways of arousing interest in the study

of dentistry.

45.

the

ion,

len-

ved

hatl

S.

let

you,

not

n ol

icine Har

l the

op it

ngell

not

n as

here

dis-

ty of

study

increasing the dental school enrollment. To do so there has to be enough attraction, remuneration, and security for the right caliber student.

Why should such an admirable profession, which, if it has done nothing else but made relief from pain possible, be losing its grip on its life line—the incoming dental student? True, the war has created unnatural shortages but even in normal times dentistry has not attracted sufficient students to treat more than 20 to 25 per cent of the American public.

There is a flaw in the educational and economic setup of dentistry. A dentist completes at least six years of college education, pays high tuition, buys expensive instruments and books, and then when he finally passes a state board examination he is ready to make a back-breaking income which will rise until he has practiced fifteen or twenty years, then start declining because of production loss until he is almost out of the picture by 55; whereas, his brother physician at that age is at his peak. Unfortunately, the dentist creates one of his own handicaps when he builds his practice upon what he does instead of what he knows.

Why is there so much talk about licensing hygienists when over half the dentists in the country are incapable of employing even a dental assistant? There has been much emphasis in dental schools on how to produce but little on how to collect. The beginning practitioner

should know how to place a beautiful foil but he should also know how to obtain proper payment for the service. The young dentist does entirely too much groping in the dark until he devises for himself some haphazard price-productioncollection system.

Practice management should be an integral part of every dental course. In crude language, the dentist must know how to sell himself and his services properly if more dental health is to be meted out to more than the country's 40,000,000 regular patients. The other 100,000,000 are not carious free! They must be "dentally educated" and it will take the dental profession to do it.

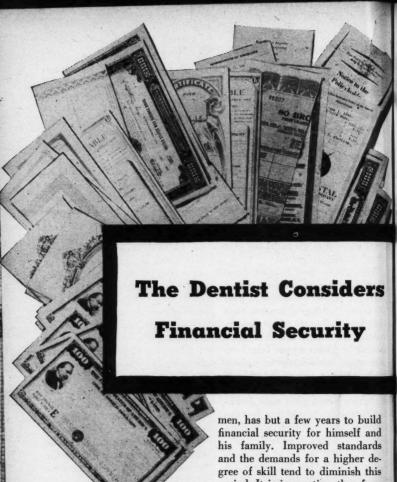
The American public must be made conscious of the fact that the mouth is part of the body. It is the duty of every dentist to inform the public that he is treating the whole mouth—not just one tooth. Dentistry, to be a successful health service, must not be developed on a piece-work basis.

The dental student should be taught what he is trying to do for the public and also how to get remuneration tactfully for his services.

If the dentist is successful professionally and financially, he will be a greater impetus to a stronger dental society.

For the dental schools to attract the proper caliber student, something should be done about the following:

(Continued on page 1017)



By MAXWELL R. STERN, D.D.S.

HANDICAPPED by a late start and reaching the peak of efficiency and earning power rather early, the dentist, unlike other professional men, has but a few years to build financial security for himself and his family. Improved standards and the demands for a higher degree of skill tend to diminish this period. It is imperative, therefore, that a program be formulated to give direction and goal to this quest for security. Moreover, such a program must be put to work as early in his career as possible. This is not easy in view of the small income of the beginner, the expense of establishing a practice, and the assumption of obligations to newly acquired dependents.

b

A complete investment program should be planned according to your particular financial status.

A preliminary program (A) is arranged to deal mainly with the protection of income for dependents against the contingencies of death, disease, and disability.

1. Life insurance is protection and nothing else. It is not savings and is not investment. The greatest amount of protection for a given period is bought at the lowest cost. Ordinary life insurance is basic. All the advantages of other forms (except term) may be realized with this contract. The earlier this protection is obtained the lower will be the cost, or the lower the age the more protection a dollar will buy. Contracts should contain modifying clauses as conversions are costly. Thus an ordinary life policy becomes an endowment or an annuity contract when protection is less important. A minimum insurance policy of two times and a maximum of five times the annual income is advisable. It is wise to overextend at this period because of the possibility of noninsurability at a later age.

2. Disability and health insurance to provide for income for six months is all that is necessary at this time. Young people are not usually subject to serious ailments or crippling disabilities which take longer than a few months for recovery. The cost of all insurance may be between 5 per cent and 10 per cent of annual income.

3. Budget savings may be in-

cluded here to deal with short-term savings.

The investment backlog (B) is a fund of from 10 per cent to 25 per cent of one's capital set up to provide self-adjustment for those contingencies associated with family well-being, as well as business cyclical fluctuations, and to insure a degree of financial liquidity. Twenty-five per cent of this fund may be used in each of the following categories:

 Government and listed highgrade bonds.

2. Listed high-grade preferred stocks.

Well-seasoned, listed common stocks of leading basic industrial corporations.

4. Cash in savings bank in the form of a joint account with the person sharing responsibilities during emergencies.

General Investment Portfolio

Surplus income, surplus savings, and 75 per cent to 90 per cent of one's capital, make up the general investment portfolio (C) which is employed to create:

1. Capital appreciation.

2. Additional income (yield).

3. Long-term savings or funds for the future.

It is here that experts will differ. Early in the program enhancement of capital is the most important element. This involves risk, Maxi-

Protection		nvest		Speculation				Investment	
INSURANCE	SAVING	SAFETY	YIELD	APPRECIATION	YIELD	HEDGE	PROTECTION	SAFETY	2000
A		В		C		D	A	В	

INCREASING EARNINGS

GROWTH

MAT

F

7

0

tl

mum risk is assumed early, when income may exceed living standards and health prospects are at their best. Preparation and study, investigation and advice, are the avenues of approach to investment and speculation. The degree of risk may be said to determine the degree of speculation. The segrega-

The Cycle our

tion of 10 per cent of this fund for speculation has much merit. Gambling is ruled out. In later years risk for capital enhancement is reduced as security of principal and stability of yield gain importance.

Specialistics			-	Invest		
APPRECIATION	YIELD	HEDGE	PROTECTION	SAFETY	YIELD	HEDGE
0		D	AE		C	D

ATIC EARNINGS • DECLINING EARNINGS

TITY

d

DECLINE

oun for Security

Finally risk is eliminated as completely as possible and only safety of principal and yield are criteria. The field of activity for this part of program may best be shown in the General Investment Portfolio. A hedging program (D) is adopted as a safeguard in this battle for financial security if investment is to be successful. There is no ideal investment! There is no riskless investment! Assuming then that risks must be taken, the following safeguards are given consideration:

- 1. Diversification deals with the spreading of risks among the various media. (See Illustration p. 1006.) Even these may be broken up, as for instance, equities in several corporations of different industrial groups operating in separate sections of the country. This, however, must not be overdone as concentration has advantages.
- 2. Marketability deals with the ease or difficulty of converting rapidly into cash. Securities listed on the New York Stock Exchange enjoy perhaps the best marketability.
- 3. Liquidity deals with the availability of funds in order to take advantage of opportunities and also to meet emergencies.

GENERAL INVESTMENT PORTFOLIO

	Safety	Capital Appre- ciation	Yield	Market- ability	Remarks
Real Estate	fair	poor	fair	poor	Usually a loss
Real Estate Mort- gages	fair	none	good	poor	Marketed at discount
Bonds Mortgage	fair	none	good	fair	Retirement and income
Government	good	none	poor	good	Retirement
Industrial and Railroad a. Investment	good	fair	fair	good	Retirement and income
b. Speculative	fair	good	none to good	good	Capital appreciation
Stocks (common and preferred) a. Investment	good	good	good	good	Retirement and income
b. Speculative	fair	good	none to good		Capital appreciation
Group Investment Funds	fair	fair	fair	fair	When time and knowledge are limited
Another business		ally unsu	ccessful-	-manag	ement difficult—usually
Commodities	Depr	reciating,	market	poor, u	sually a loss, write off
Home		reciating, easure of		poor, u	sually a loss, write off

4. The preservation of purchasing power deals with the effort to keep pace with the changes in the value of money. Facing an ever higher level of living costs and the deplorable shrinkage of the buying power of the dollar, this disturbing problem is aggravated by taxation, wars, and political and social changes. Will the dollars one caches in insurance, savings, and annuities buy a dollar's worth ten or twenty years hence? It is almost certain they will not. What he will be able to buy with future retirement fund savings will be the dentist's real retirement income. If the dollar is to lose some of its buying power, then it may properly be desired that security be expressed in more dollars. Emphasis must, therefore, be placed upon that part of the program which deals with capital appreciation. Further, the aim must be sufficiently high to make up for losses. It becomes necessary, then, to speculate.

5. Objectives should be established before making commitments. It seems fundamental to know why the commitment is made, what one expects in profits, how long it is necessary to wait, and what one is willing to risk. Establishing a limit on the loss and time elements is one of the secrets of investment success.

6. Insurance is a protection hedge against health, financial, and other emergencies.

Reasons for Losses

At this time, finally, it may be

well to consider some of the more flagrant reasons for losses.

1. The psychological reasons are numerous. The excesses of the mob are dangerous. Tips, rumors, talk of "boom" and a "new era" in an atmosphere of speculative enthusiasm and run-away markets, are to be construed as warning signals of an approaching climax. The gambling instinct requires constant curbing. On the other hand phlegmatic complacency and the careless ignoring of economic trends and market changes result only in inevitable loss.

2. Ignorance of financial matters when considering security leaves one as helpless as ignorance in the approach to a dental problem. Acquaintance with economics, insurance, and investments will, with a little experience, build good judgment. Failure to acquire knowledge of financial matters leads only to errors of judgment, faulty procedures, and losses.

3. Political, social and economic changes, wars, taxation—all of these and other influences—are constant threats that confront the thrifty and upset well-designed formulae.

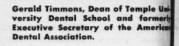
Moderation in the treatment of each element of this program, an open-minded willingness for selfadjustment to, and an awareness of, constantly changing conditions are essential to the success of any planning for security.

2945 Avenue T Brooklyn, New York



OF AMERICAN DENTISTS

By HOWARD A. HARTMAN, D.D.S.



i

J.



W. Harry Archer, Assistant Professor of Anesthesia and Exodontia, Schoo of Dentistry, University of Pittsburgconfides in Clyde Hebbel, Professor of Operative Dentistry, Ohio State University College of Dentistry.



Four dentists who rendered meritorious service to the Selective Service System in matters pertaining to dentistry during the war were awarded the newly created Selective Service Medal and Certificate at a meeting of the War Service and Postwar Planning Committee of the American Dental Association. The awards, which were conferred by Colonel Louis H. Renfrow, National Selective Service Headquarters, were made to: (left to right) C. Willard Camalier, Chairman of the War Service and Postwar Planning Committee; C. Raymond Wells, former Dental Director of the Selective Service System; J. Ben Robinson, member of the Council on Dental Education and Past-President of the American Dental Association; and William N. Hodgkin, member of the Council on Dental Education.

J. Ben Robinson, Dean, Baltimore College of Dental Surgery, and dental historian.

Doctors Horace Van Valkenburg and Paul Aufderheide.





PORTRAITS and PROFILES of AMERICAN DENTISTS

(Continued from page 1011)







Eric Hamburg of Sweden with Edward L. Ball, Cincinnati, at the Chicago Midwinter Meeting. (Top).

Willard F. Andes, Program Chairman of the Florida State Dental Society, and Hunter S. Allen, Chairman of the Periodontia Section of the American Dental Association.

E. Ray Brownson, Los Angeles, and B. F. Sapienza, Birmingham, Alabama.

Correction: We are sorry that through an inadvertent error legends of three pictures published last month were transposed. We reprint the photographs with the correct legends and our apologies.



So You Know Something About Dentistry!

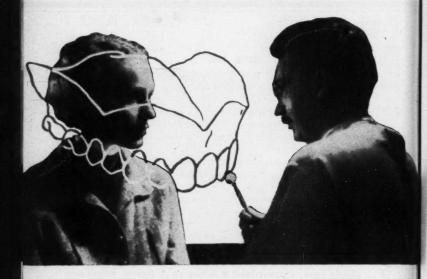


QUIZ XXI

- 1. What are mulberry molars? 2. The length of teeth used for replacement is determined by (a) the amount of intermaxillary space, (b) the length of the upper lip, (c) the thickness of the lips. 3. Precipitated calcium carbonate is used in dentifrices as (a) a flavoring agent, (b) a polishing agent, (c) a coloring agent. . . . 4. Doctor J. Leon Williams showed that human teeth and human faces were divided into three main groups. Name them. 5. Why are silicate cements contraindicated for mouth breathers? 6. Why should inlay waxes exhibit a minimum of flow at mouth temperature? 7. Leucoplakia is more commonly found in males or females? 8. The density of the dentine of deciduous teeth is (a) greater than, (b) less than, (c) the same as, the density of the dentine of permanent teeth. 9. True or false? Erosion is characteristically found on tooth surfaces which are not subjected to occlusal wear.
 - FOR CORRECT ANSWERS SEE PAGE 1025

Which is out of place? (a) outline form, (b) convenience form,
 (c) facial form, (d) resistance form, (e) retention form.

FITTING THE PATIENT TO THE DENTURE



To secure cooperation from denture patients, let them know about the limitations of this service in advance.

By CLARENCE W. WILDMAN, D.D.S.

IN READING many dental magazines, I have noticed few articles on approach, how to put patients in a mood to be pleased with dental services, securing their cooperation and telling them about the limitations, especially of dentures. If any group needs instruction, it is the denture wearers, for there

are many misconceptions of what they expect to receive when they go to their dentist for new dentures. Some patients expect dentures to last them a lifetime; some want unbreakable dentures; some want small white teeth, perfectly formed, just as they say their own teeth were. I notice some dentists give them what they think they want, tell them the dentures will last them the rest of their lives, and will make them look ten years younger. In days past, I tried to please these types of people but I reproached myself for it.

After going through that stage of trying to please patients, I started a new psychological approach to the denture patient problem and the patient's denture problem, a problem that has always intrigued me. I wanted pleased patients who would like my services so well that they would send their friends to

me when they needed dentures. I

let them know what they were

Patient Cooperation

getting.

e

n

When Mrs. Jones presented herself for dentures, I examined her mouth and if there were any peculiarities present such as a flat lower ridge, torus palatinus, soft flabby tissue, protruding upper or lower jaw, or any other feature that would interfere with satisfactory function, I said, "I am as interested as you are in these dentures I am going to make for you, but you must want them and want to get used to them. You also must realize the limitations of what you can and cannot expect to do with them after I give them to you. Mrs. Jones, I want my patients so pleased that they want to send their friends to me, but I repeat that you must want these teeth and want to get used to them."

Mrs. Jones is handed a mirror and told to notice the faults that could interfere with good denture service. But she also is told that we will do the best we can with these dentures despite interference.

"Mrs. Jones," I continued, "You must know that mouths shrink. Dentures fit when we give them to you, but the future is uncertain. Some last a long time, others not so long, because mouths change but dentures never change. Recession takes place, gingivae get smaller, the sockets from which teeth were extracted keep closing up and the mouth keeps growing smaller. As we get older the mouth always gets smaller; in a few weeks, in rare cases, and not for years in others. Occasionally we see part of the gingivae of the mouth shrink and the rest remain perfect. If any shrinkage does happen, the denture can be relined to fit again at a slight cost of a few dollars: but sometimes a new denture has to be made for which we make a charge. There is no such thing as a permanent denture or an unbreakable one."

Mrs. Jones, if she still wants me to make her a denture, shows interest, but if she shows hesitation, I ask her if she wants to think it over for a few days. Usually I get approval and I have certainly told enough so that the patient does not expect the millenium in results. That talk is for future proof that the patient realizes the limitations of dentures.

Treatment Procedure

Snap impressions are taken, special trays made, impressions

taken, bite blocks made with centric registered, mounted on articulator, try-in inspected, and teeth adjusted for cosmetic appearance with patient's approval. The dentures are finished, checked for anatomic occlusion, and the patient is taken before a brightly lighted mirror for approval of appearance which is always satisfactory if the correct procedure has been followed in detail.

While the trays are being made the office assistant has told the patient the fee for the dentures and that all laboratory work is cash and paid for when the dentures are given to the patient, telling her the time when they will be ready. All dentures seem more satisfactory if paid for.

When dentures are delivered, I insert them and repeat my original statement that I am as interested in her dentures as she is but she must want them and want to get used to them. I then turn her over to the hygienist who explains to her how to get used to the dentures. In detail, she tells how to insert, how to replace if dislodged, where to hold her tongue to keep the lower denture down, how to eat by pushing food toward the teeth, the kind of brush to purchase, how to clean the dentures, and to return in a few days if soreness occurs. She explains that no one will get used to dentures unless she wears them all the time and eats every meal with them; that in a short time she will forget she has them in her mouth.

You might ask what this is all about and why so much talk, but it results in pleased patients who do not keep coming back with some excuse for adjustments. I do not let them expect too much from their new dentures.

It might be thought that telling patients about their problems would drive them away, but in my case I am averaging about thirty dentures a month and have been doing this for years. I have not lost patients for they return when their dentures become loose, and they understand that they must pay something to have them relined or remade. You, of course, know that dentures are only transitory. Too few dentists tell their patients what to expect, what difficulties they will encounter. Too few dentists warn patients that sore spots will appear and urge them to come back to the dental office only when and if they have difficulty.

Some dentists promise the patient too much. Some dentists insert the dentures and give no information at all. If explanations are given in advance, the patients return asking the dentist to assist them, instead of telling the dentist that the dentures became loose at once and never were any good. If that statement is made, I call my assistant to the chair and the patient is reminded of what he was told when he first came for dentures.

Dentists know that dentures will settle and need to be spot ground

to articulate properly again; patients should be told about it. Dentists know that when anterior teeth strike hard and the posteriors do not come in contact at all, the upper denture drops posteriorly; patients should be told about it. Dentists know that improper leverage will dislodge dentures and that the tongue has to be placed in the proper position to hold the lower denture in place; patients should be told about it. Dentists know we have to let Nature take its course. nothing is permanent. We can reline to compensate for a certain amount of mouth change but the

process has its limitations. We can fill some spaces but cannot keep it up indefinitely and preserve mouth health. Sometimes dentures have to be remade completely and the patient should be told about it.

Patients deserve the best we can give them for the fee we receive. It does not pay to build up their expectations beyond what we know we can provide. I have found it is far more satisfactory to both dentist and patients if they know in advance what the limitations on denture service are.

North Adams Trust Company Building North Adams, Massachusetts

IS THE DENTAL PROFESSION SLIPPING?

(Continued from page 1003)

- 1. Development of a better financial opportunity in dentistry.
- 2. Greater emphasis on practice building and management.
- 3. Autonomous development of dentistry as a natural division of health service.
- 4. Maintenance of high dental school standards.
- Greater emphasis on dental research.
 - 6. Closer cooperation between

the dental societies and the dental schools.

- 7. More intimate cooperation between medicine and dentistry.
- A clever dental educator once said, "An inlay is no better than its weakest margin." Philosophically, the same holds true for the dental profession.

1136 Medical Arts Building Omaha, Nebraska

CAN YOU USE A DOLLAR?

To every reader who contributes a newsworthy item, something unusual about a dentist, which is published in Dentists in the News (see page 1023), we will send promptly a crisp, new one dollar bill. Every clipping must be taken from a newspaper and carry the name of the publication and the date line. Clippings submitted cannot be returned. When more than one copy of a clipping is submitted, the first one received will be used. Send all items to Dentists in the News, ORAL HYGIENE, 708 Church Street, Evanston, Illinois.

How to Make Yours a "Control Practice"

A twofold plan to increase your practice and maintain collections.

By STANLEY M. GOWER, D.M.D.

FOR THE LAST few years most dentists have been little interested in improved dentist-patient relations, because the excess of patients has permitted treating the most desirable with no particular thought being given to increasing one's clientele. Farseeing authorities have been warning us that with the return of thousands of dentists to civilian practice and the availability of many desirable items long denied the public there is bound to be some letup in the demand for dentistry. For some time dentists have been able to discriminate; from now on there is going to be more opportunity for discrimination on the part of the public as to who shall do their dentistry and for what purposes their plentiful supply of money is to be spent.

It may be that some of the readers of ORAL HYGIENE will be interested in a plan operating in a medium-sized community in Maine which perhaps has more dentists than almost any other town of the size in the country, with all of them above the average in ability and personality. The highly satisfactory reaction to this plan now in operation for over ten years is responsible in no small degree for increasing the volume of practice from just average to one which remains consistently above average. This observation is made solely on the basis of comparison with average net incomes from dental practices as reported statistically from time to time. But while the plan has proved sound economically, the greatest reward has been found in the satisfactions derived from closer professional-patient cooperation.

The plan consists of two distinct parts. The first has to do with periodic appointments for prophylaxis and examination with your regular patients. It will be the more intelligent and appreciative class

of patients who will be interested in this phase.

The second feature has to do with the financial side of the dentist-patient relationship, and is applicable to a selected class of patients, those who would be considered unfavorable credit risks without it. This class is particularly large in industrial towns, and they afford splendid returns provided the dentist can be reasonably certain he is to be paid for his services.

Appointment Cards

Explain to the patient at the time he presents for a prophylaxis, which he himself has solicited and for which he pays the regular fee, that that particular prophylaxis is what is termed in your practice his "annual." Tell him that you have adopted a system which is being successfully used by dentists in conducting what is spoken of as a "Control Practice." Emphasize that this means that under this system the dentist can hope to control conditions in the patient's mouth. The idea is that you undertake to cooperate with the patient to make it easier for him to maintain a higher standard of mouth hygiene to the extent that the fourth-month and the eighth-month prophylaxes will be given without a fee. The par tient pays only the regular fee for one prophylaxis-the "annual." Place a check mark opposite the indicated prophylaxis when the card (see Form I) is issued.

The patient immediately feels that he is to receive some extra service without extra expense. Comparatively few persons are as yet sufficiently impressed with the importance of such frequent visits to the dentist to feel that the fee which has heretofore been charged is warranted. On the other hand, almost every intelligent patient believes he should have his teeth "cleaned" once a year and gladly pays for it.

The immediate reaction of the dentist who reads of this plan for the first time is: "I am not going to give away my service for nothing."

Mature consideration will however make it seem probable, and experience will positively demonstrate, that "working for nothing" under this plan is a fallacy. In the first place, the time involved in doing a prophylaxis for the average patient every four months is greatly reduced because all that is indicated is a light cleaning with little scaling required. In fact this should be pointed out to the patient, as some will fear that such frequent cleanings will injure the enamel. The opportunity for observing needed treatment in time; the correction of occasional faults in treatment previously done which occur unaccountably in the practice of the most painstaking operator-to say nothing of damage to amalgam restorations by premature mastication despite warnings: the maintained interest and contented state of mind of an in-

Peter Kleinert, D.D.S. DAYHOUR		HAS AN APPOINTMENT WITH
		Peter Kleinert, D.D.S.
	DATE	DAY HOUR
FOR		FOR
		PROPHYLAXIS AND EXAMINATION - FOUR MONTHS

PLEASE BRING THIS CARD WITH YOU

FORM I (full size)

STANDARD FORM WAGE OR SALARY ORDER

(This constitutes a Legal Demand on Employer)

(Signed)

Note. Authority is hereby granted dential to fill in date and name of employer, if and when order is presented for symmet. The intention being to maintain life of the above order indefinitely (or until voided by payment of 'he obligation it is given to settings) to meet possible (changes in employment saitur of signers, and it is father agreed by

FORM II (one-half size)

Dental Contract

.

The undersigned dentist engages to perform the following dental work, the cost to the undersigned patient (or to the person responsible for payment) being in accordance with estimate stated herein. Total amount not to exceed \$.....

Prophylaxis
Extractions
Fillings or inlays
Bridgework or crowns
Dentures

The	torma	of	payment	to	he	90	follows.
The	terms	OI	payment	w	De l	as	TOHOWS:

- ☐ Payment at each appointment to date
- ☐ A down payment of \$..... and weekly

payments of \$.....

☐ Note given in settlement for \$.....

To meet the spirit of Government restrictions on credit in accordance with ordinary bank practices, it is necessary to require that reasonable security for payment in the form of standard wage or salary orders be filed.

...... Dentist

(Signed) Patient or Guarantor

the state of the state of the state of

Dated at ...

.

creasing number of patients who return regularly year in and year out; all compensate for the service which may seem to have been given away at the time. It is simply the idea of extra service offered in commercial lines carried over into the health field, and you may be assured that businessmen never really "give away" anything in the long run as an operating policy. Actual dentist-patient experience has demonstrated that the plan is sound professionally and economically. It brings mutual satisfaction and benefit. Furthermore, if you can persuade your fellow practitioners to adopt the same plan you will be helping to promote universal better dentist-patient relationship, and do not forget that the more business the other dentists are doing in your community the more you will do. It all helps to make the public dental minded. Under no circumstances offer this service as being unique with yourself but as something other dentists are doing as a cooperative measure with their patients.

Wage Order Plan

You must select with tact the patients for whom the Wage Order Plan is workable. In industrial centers, particularly, many persons are working regularly and for good wages. This class has been sold on paying their bills on some kind of a budget plan and are glad to have their dental treatment done if they can pay weekly. The forms

(see Forms II and III) are self-explanatory. Once signed, the dentist has good assurance that the patient will pay as agreed. The only way he can avoid paying is by moving away, getting sick, or giving up work entirely. In each case the dentist must decide whether it is better to make out one order covering the entire amount, or a number of orders representing smaller installments.

While any employer is legally obligated to honor such an order, many concerns warn their employees that if it is necessary to honor wage assignments the employee will lose his job. Most persons are aware of this and are careful to make the presentation of orders unnecessary.

To the almost invariable comment upon signing, "I don't want this order to go in," a tactful reply is: "Of course that is entirely in your hands. If I did not feel sure your word is good I should not want to be giving you dental treatment anyway. Our system calls for placing these orders on file, and you will get a receipt each time you make your payments and eventually these orders are returned to you. Only in the rare cases where a patient absolutely disregards his obligation is it necessary to make use of wage orders. We have this system to make it possible to extend credit to worthwhile folks like yourself."

Skowhegan, Maine



Dentists in the News

Albuquerque (New Mexico) Journal: At the request of Doctor Howard R. Raper, Albuquerque dentist and author of MAN AGAINST PAIN: THE EPIC OF ANESTHESIA, the first "talking" edition of his book will be sent to his brother Frederic W. Raper, of Fairhope, Alabama, who is almost blind and has been unable to read the stirring story of anesthesia. MAN AGAINST PAIN is being reproduced as a "talking book" in a series of phonograph records by the American Printing House for the Blind. Books produced by this method are loaned to blind persons all over the country and made available for institutions.

Doctor Raper's brother is waiting eagerly to read the book he has heard so much about. MAN ACAINST PAIN was published last fall and has attracted a considerable amount of enthusiasm, has been the source of a national radio broadcast on the history of anesthesia, and has been published in condensed form in a number of national magazines.

Philadelphia (Pennsylvania) Record: The School of Dentistry of the University of Pennsylvania has organized a dental specialists unit to conduct postgraduate courses for 200 Dutch dentists and 100 dentists from other European countries, according to an announcement by Doctor George W. McClelland, president of the University. The courses will be given beginning July 15 in Amsterdam, in accordance with a suggestion made by Doctor Herbert Loeb, a

former president of the Netherlands Dental Society, in an article published in June, 1944 in ORAL HYGIENE.

Doctor Lester W. Burket, professor of oral medicine in the University of Pennsylvania's School of Dentistry, heads the unit which includes four other members of the school's faculty and two practicing dentists in New York City. The courses, which are designed to aid in restoring dental practice in Europe to its prewar level, will be in the fields of dental therapeutics, roentgenology, denture service, oral medicine, and diagnosis.

Other members of the unit from the University of Pennsylvania's faculty are Doctor LeRoy M. Ennis, professor of roentgenology; Doctor John Burkhardt, Jr., professor of operative dentistry; Doctor E. H. Smith, professor of prosthetic dentistry; and Doctor Vincent R. Trapozzano, clinical professor of prosthetic dentistry. The two practicing dentists are Doctor Karl W. Knapp and Doctor Ferdinand G. Neurohr.

Los Angeles (California) Herald: Identification of the skeleton of Gerald D. Curtis, of Arcadia, California, which was found in a burned car in the desert near Mojave, was made possible by Doctor Philip B. Floyd, of Los Angeles, who told California police that in 1938 he made for the victim the dental bridge and gold inlay found at the scene.

The partly cremated body was found locked in the car. Identification by Doctor Floyd led to a search for the

key, which locked the victim inside the burning automobile, to determine whether Curtis' death was the result of murder or suicide. Police believe that if the key is within throwing distance of the car, death was caused by suicide; but if the key is missing, murder has been committed.

Philadelphia (Pennsylvania) Record: Doctor A. H. Glick, Philadelphia dentist who is assigned to the Federal Reformatory, Chillicothe, Ohio, by the U. S. Public Health Service, was consulted



recently when a photoelectric metallic detector in the institution went wild as one of the inmates passed by. Search after search of the inmate revealed nothing, but the detector continued to record objections. It was finally suggested that the inmate's mouth be inspected. Thus it was discovered that the large number of restorations in the lad's teeth was causing the alarm.

Charleston (South Carolina) News and Courier: Doctor William David McDowell, Charleston dentist, finds piloting his own airplane his greatest source of relaxation from the long hours involved in practicing dentistry. First



an amateur yachtsman, and now the owner and pilot of a small plane, this young dentist takes time to relax in the way he likes best.

Late in 1945 Doctor McDowell sold his 36-foot cabin cruiser after he had become interested in aviation. He immediately purchased a light plane and began to take lessons to become a private pilot. He now has his pilot's license and has recently joined the Coast Guard Auxiliary Squadron and expects to be an active member.

The Bermudian: One of the outstanding personalities of Bermuda is Doctor John Bennett Dickinson, native dentist who has been active in Island affairs since establishing his practice there in 1931.

Doctor Dickinson has a modern wellequipped dental office and a successful practice despite handicaps and interruptions. His dental education was accomplished only after financial setbacks, poor health, and a three-year interruption while he served in the armed forces during World War I.

In 1924 Doctor Dickinson graduated from the Colorado College of Dental Surgery in Denver where he had gone because of his health. After practicing dentistry in Colorado for seven years, he returned to Bermuda. Since then he has been a member of the Bermuda Board of Dental Examiners and of the staff of the King Edward Memorial Hospital.

While in Colorado Doctor Dickinson realized the necessity for an organization in Bermuda to eradicate tuberculosis. Upon returning to Bermuda, he started a campaign which developed into the Bermuda Tuberculosis Association of which he is vice-president.

"Although I shall not live to see it," Doctor Dickinson says in discussing another one of his ambitions, "I believe in the necessity of a Dental Hospital that will be run on the lines of any general hospital. Before I am too old I hope to sow the seeds of this idea in the head of some younger Bermuda dentist."

Awards for stories published in DENTISTS IN THE NEWS this month have been won by:

GEORGE D. ROUSE, D.D.S., P. O. Box 840, Charleston, South Carolina. WALTER H. JACOBS, D.D.S., 124 West 93rd Street, New York 25. LOUIS L. BINDER, D.D.S., 5237 North Fifth Street, Philadelphia 20. CLARENCE M. LINDSAY, 2400 Ocean View Avenue, Los Angeles 5.

SO YOU KNOW SOMETHING ABOUT DENTISTRY! Answers To Quiz XXI

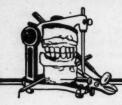
(See page 1013 for Questions)

- Molars showing a constricted occlusal portion with irregular cusp formation. (McCall, J. O.: Fundamentals of Dentistry in Medicine and Public Health, Macmillan, 1938, page 29).
- (a) the amount of intermaxillary space, and (b) the length of the upper lip. (Miller, R. G.: Synopsis of Full and Partial Dentures, C. V. Mosby, 1942, page 108).
- 3. (b) polishing agent. (Accepted Dental Remedies, 10th Edition, American Dental Association, 1944, page 86).
- Class I square, Class II tapering, and Class III ovoid. (Miller, R. G.: Synopsis of Full and Partial Dentures, C. V. Mosby, 1942, page 100).

ŀ

 After hardening, silicates must be kept moist at all times. (Skinner, E. W.: The Science of Dental Materials, 2nd Edition, Saunders, 1941, page 250).

- 6. Regardless of temperature used to chill the pattern in the mouth, the wax returns to mouth temperature before removal. (Skinner, E. W.: The Science of Dental Materials, 2nd Edition, Saunders, 1941, page 250).
- 7. Males. (Kronfeld, Rudolf: Histopathology of the Teeth and their Surrounding Structures, 2nd Edition, Lea & Febiger, 1939, page 468).
- (b) less than. (Brauer, J. C.; Higley, L. B.; Boyd, J. D.: Dentistry for Children, Blakiston, 1939, page 126).
- True. (Kronfeld, Rudolf: Histopathology of the Teeth and their Surrounding Structures, 2nd Edition, Lea & Febiger, 1939, page 74).
- *10. (c) facial form. The others are steps in cavity preparation. (Tylman, S. D.: Crown and Bridge Prosthesis, C. V. Mosby, 1940, pages 294-296).



Technique of the Month

Conducted by W. EARLE CRAIG, D.D.S.

Drawings by Dorothy Sterling

Opening the Bite of an Immediate Upper Denture After Shrinkage Has Taken Place



Remove all undercuts on the palatal side of the denture.

With a disk, score the palatal side of the denture (cutting about half-



way through) close to the teeth. At intervals along this line, run a cross-cut bur through the denture to register the line on the lingual side of the denture.



Use a flame to loosen and remove the teeth. Remove all material from around the pins and the holes.



Set the teeth back on the denture in their original positions.



Add compound to palate and the rim, allowing it to flow toward the ridge.



Continue to add pound until the denture assumes the correct position in relation to the lower teeth.



Correct the impression with impression wax.



Pour model. Remove the palatal portion of the denture by cutting along the line marked by the bur holes. Rewax to normal thickness.



Flask and tinfoil as for a new denture.

INTERNATIONAL DENTAL RELIEF AIDS EUROPE

THE EXECUTIVE Committee of the International Dental Relief of Geneva, Switzerland, reports that included in the help it has furnished war-torn European countries since V-E Day are the following specific contributions:

- 1. Complete cases of dental instruments and medicaments, uniforms, and other equipment sent to Holland.
- 2. Dental material sent to Belgium for use in a Polish camp.
- 3. Medicaments and equipment sent to the Dental Clinic of Torino University in Italy.
- 4. Artificial teeth sent to the Belgian Red Cross.
- 5. Dental materials sent to French dentists.
- 6. Professional literature for the Stomatological Library of Louvain University, which was completely destroyed by fire.

THE COVER

THE COVER this month is dedicated to the Oregon State Dental Society whose annual meeting is being held in Portland, June 13-15. The photograph is an interesting view of Portland. Mt. Hood is in background.



Editorial Comment

h

i

ti

ŀ

"Give me the liberty to know, to utter, and to argue freely according to my conscience above all liberties." John Milton

HOW ARE DENTISTS MEETING INFLATION?

INFLATION is an ugly word. It gives a picture of uncontrollable and rapidly rising prices. It describes runaway markets with all controls thrown overboard. Current conditions are inflationary. How far and how fast inflation will go is anybody's guess. Scarcity of commodities and services produces a seller's market where the price asked can be almost anything. The seller—any seller—in a scarcity market, reaps a large profit. He in turn becomes a buyer to replenish his supply of marketable goods. In this role he is in such a favorable cash position that he can outbid and outbargain competitive buyers. By this process he creates a private monopoly where he can sell at prices that he wishes and buy at any price that he may choose. When competition is curtailed the price level is always upward.

The OPA made a valiant and in many cases a successful effort to control inflation. Some of the rulings produced artificial scarcities; manufacturers preferring to store their goods rather than market them under OPA ceiling prices. The public began to protest, Congress heard the grumblings, and attempted to make the OPA virtually powerless. With price ceilings removed many more goods will begin to appear on the market at any price that the traffic will bear. People with money in the bank from their war earnings and with fresh memories of scarcities will pay almost any price for anything that they want. As commodity prices go up the worker begins to see that his dollar is not buying as much as it should. He demands more. His demands may be cloaked under peaceful bargaining terms or carried on under the threat of workstoppage. When he gets more money he rushes into the market to spend more. Prices take another advance. The cycle is repeated as we follow the inflationary spiral.

Where does the dentist come out in this situation? As a consumer

he is faced with rapidly rising prices. If he is a wise producer he follows price increases with corresponding increases in his fees. If he doesn't make this adjustment he is headed for bankruptcy. The dentist who through fear or indifference fails to adjust his fee schedule with the commodity price index is heading for trouble. Unfortunately the people with fixed incomes from investments, rents, or salaries, find themselves in a precarious position during inflation. It costs them so much to sustain life that they find it difficult to buy some of the "extras." To many of them dentistry is considered as an extra. They will be forced from the dental market. We should make some provision for these excellent and loval dental patients. As inflation progresses we will find many of these people missing from the dental office because their fixed income is not sufficient to pay for dental service. There is at present some evidence that people in this economic group have begun to retrench and are hesitant to enter the dental office. Among the conservative groups that have a justifiable fear of inflation we may expect more and more people to postpone dental treatment until they are assured that the commodity price increases have begun to level off.

The businessman, the factory worker, the farmer, who through price increases, strikes, or subsidies, is able to push his income higher and higher should be prepared to have the same kind of squeeze exercised upon him by the dentist as is represented by higher dental fees. A simple rule might be: people whose incomes keep pace with price increases should pay increased dental fees; patients who have static incomes can, if the dentist wishes, be served at a fee schedule stabilized at former levels. There is no *economic* reason, however, why the dentist should make exceptions to the general rule of fee increases under inflation. There are, however, other values than economic ones in professional practice. Decency is an important one.

At the present time it looks as if we may have a runaway inflation. Dentists, being businessmen as well as professional men, should examine the economic world with the same realism that they use to evaluate their professional problems.

Edward J. Ryan



Ask Oral Hygiene

Please communicate directly with the Department Editors, V. Clyde Smedley, D.D.S., and George R. Warner, M.D., D.D.S., 1206 Republic Building, Denver, Colorado, enclosing postage for a personal reply.

Immediate Dentures

Q .- In your ORAL HYGIENE department you occasionally state that you rebase immediate dentures which gives me the impression that they then are

to be used as final dentures.

If the six upper anteriors are extended when the denture is inserted, should a labial rim be built on the denture, or do you place the teeth in the sockets a reasonable depth without a labial rim? If there is no rim, should not that denture be discarded completely for a final denture? Is it important in your mind that a labial rim be used?

I have made a number of immediate dentures since the advent of elastic impression material, and some advice or ideas about this would help me.— J. R. F., Michigan.

A.—In my opinion it is best to provide a labial gingiva on an immediate denture. In cases where the patient shows an abnormal or objectionable amount of his natugingivae, an alveolectomy should be performed at the time of the insertion of the denture. Otherwise, I find that there is enough natural collapse of the soft tissue, following a straight extraction of the teeth, to provide for a thin labial acrylic gum that does not protrude the lip objectionably but serves as a form or matrix to guide the formation of a smooth well-rounded ridge as healing takes place. I do not think that the teeth

should be inserted into the sockets at all, but, instead, the cast should be trimmed to a smooth wellrounded ridge form,-V. CLYDE SMEDLEY.

Acrylic Restorations

Q.-Can you inform me concerning the effects of placing plastic methyl methacrylate in a prepared cavity and curing it in the mouth as a means of restoring a tooth? Does the freshly mixed, plastic acrylic have any harmful effect on the pulp of the tooth?

I have developed a plan that would enable a dentist to place plastic restorations in teeth with a great saving of time over placing metal restorations, and I believe the lasting qualities would be better also.—L. L. P., Iowa.

A.—Considerable study been done on the use of methyl methacrylate as a direct restorative material; principally by Salisbury, so far as I have observed in the current literature. However, the results of the process as reported by him do not meet the approval of at least one man, Saffir.2

Salisbury, G. B.: Application of Methyl Methacrylate to the Tooth: Cured at Mouth Temperature, The Dental Diests 49:14 (Januar) 1943; Polymerization of Individual Direct Acrylic Restorations, The Dental Diests 49:50 lie Restorations, THE DENTAL DICEST 49:50 (February) 1943; Improved Direct Acrylic Restorations, THE DENTAL DIGEST 50:356 (August)

²Saffir, J. A.: Polymerization of Individual Direct Acrylic Restorations, THE DENTAL DICEST 49:252 (June) 1943,

Salisbury advises that the pulp should be protected by a cement base, when his technique is used, against the effect of any unpolymerized monomer. However, another author, Slack,3 made a number of direct acrylic restorations without cement bases with no bad results. But after more study he advises cement bases "for the present" whenever there is a close proximity to the pulp. This author advises against the use of direct acrylic restorations except experimentally. His results were only about 50 per cent satisfactory.-GEORGE R. WARNER.

Sodium Fluoride

14

d

30

8,

es

as

yl

a-

a-

ed

W-

as

he

af-

thaemary)

ery. 9:60

Res-

Di-

Q.—In a recent issue of Oral Hyciene you wrote of the use of sodium fluoride for desensitizing cavities. I got some, a green powder, but have not used it. I dissolved it with alcohol but had no results. Will you kindly state just how it should be used?—J. M. C., Ohio.

A .- The sodium fluoride preparation we use for desensitizing cervical areas of dentine particularly, and cervical prepared cavities incidentally, is that advised by Hoyt and Bibby.4 It is a paste composed of the following ingredients in equal parts: sodium fluoride, kaolin, and glycerine. We put a little of this paste in the cavity and rub it into the dentine with a plastic instrument for about three minutes. It is then cleaned out of the cavity and the amalgam or gold restoration made as usual, with the result that the tooth will

not be as sensitive to thermal shock as it would probably have been otherwise. — George R. Warner.

Infected Antrum

Q.—I should like your opinion and diagnosis on the following case:

A man, 69 years old, presented himself recently. He is an edentulous case of about fourteen years standing. About fourteen years ago after extractions he had an infection in the region of the left antrum. Pus came out of the cuspid socket but an eye, ear, nose and throat specialist corrected the condition by curreting the antrum in the first molar region. For the last three years, the patient has had a burning sensation along the ridge extending from the cuspid to the first molar region, and occasionally a sharp nerve flash extending from the crest of the ridge upward toward the antrum at about the attachment in that area of the band of tissue which is attached to the cheek. He has not worn the dentures regularly for some time, thinking they might be pressing on the area, and has trimmed the upper denture in the region to relieve it.

He would like to get new dentures but if the condition would persist he feels it would be of no avail. I had roentgenograms taken and am enclosing them for your study. Apparently the bone of the floor of the antrum did not heal over. There is no opening through the tissue, nor swelling. — C. J. C., Michigan.

A.—I would suggest that you refer this man to the nose and throat specialist again. The antrum may have become reinfected. If there is no opening into the mouth, it is out of our field.

I would think that new acrylic dentures would be a comfort to him ganyway.—V. CLYDE SMED-LEY.

Procaine Reaction

Q.—Will you give me your opinion as to the cause of some reactions to pro-

Slack, F. A., Jr.: Present Research Status of Direct Acrylic Restorations, J.A.D.A. 30:1233 (August) 1943.

Hoyt, W. H., and Bibby, B. G.: Use of Sodium Fluoride for Desensitizing Dentine, J.A.D.A. 30:1372 (September) 1943.

caine that I have had occur in my office? A number of times patients (always women) complain immediately upon injection of severe pain in their back. This subsides rather soon but seems to be intense for the time.

One other case that I was greatly concerned about was a woman in her late fifties. She started shaking violently and it kept up for several hours. It was necessary to remove her to her home in an ambulance. Her physician gave her sedatives and the next morning she had recovered except for extreme weakness.

I should appreciate any information that you can give. In all of these cases, I have previously administered procaine without any ill effects.—R. E. C., Illi-

A .- The reactions of which you speak, or any unpleasant reactions, to the injection of procaine, are extremely rare in our office. We attribute these results to the procaine being isotonic and the injections being made extremely slowly. When unpleasant reactions occur we attribute them to the needle having penetrated a blood vessel or to its being a psychic reaction. Lovestedt⁵ says, "Psychic disturbances too often are mistaken for sensitivity to procaine, as true procaine idiosyncrasy is rare."

However, some peculiar reactions cannot be accounted for. One of my friends started to do an infiltration over a maxillary first bicuspid for a young woman. He had not injected over two or three drops when she collapsed. She was virtually pulseless. A physician in an adjoining room was called and he found her blood pressure almost zero. He injected adrenalin

but it was three hours before she could leave the office. Many procaine injections were given her afterwards without any unpleasant reactions.—George R. Warner.

Impacted Cuspid

Q.—I should like your advice concerning a case of mine. A roentgenogram of the patient is enclosed. I should like to move the central incisor of this young woman (age 23 years) about 4 mm. labially, as it is now in lingual relation to the lowers. In your opinion would the movement of this tooth cause the impacted cuspid to "flare up" and give difficulty?

The young woman is in no position at the moment to have the impacted tooth removed.—G. J. P., California.

A.—From a single labial exposure one cannot tell from the resulting roentgenogram the labiolingual position of an impacted cuspid, or its relation to the roots of the erupted teeth. If the impacted cuspid in your case is not lying close to the root of the central incisor, I do not believe the movement of the incisor will interfere with the cuspid. In any event I cannot see how there could be any "flare-up" of the cuspid. The movement of the central incisor may cause some root-end resorption, considering the age of the patient and the amount of movement required. But a small amount of root-end resorption is not necessarily harmful.—GEORGE R. WARNER.

Correct Occlusion

Q.—The retrusive and protrusive positions of the mandible in taking bites for making full upper and lower dentures are confusing to me. I was taught that the most retrusive position that the patient can assume in taking the bite is the correct one. I have begun

⁵Lovestedt, S. A.: Use of Higher than Usual Concentrations of Procaine Hydrochloride in Dentistry, Am. Jnl. of Ortho. and Oral Surg. 30:8 (January) 1944.

- 418. To prevent further confusion of two similar names, the MUCO-SEAL Technique will hereafter be known as the Mucosal-Seal Principle.

 The principles of Mucosal-Seal will be sent upon request.
- 419. PRINCIPLES of Mucosal-Seal involve:—(a) Surface seal, (b) smoothing the mucosal surface, (c) minimum displacement, (d) proper extension, (e) inclusion of retro-molar triangle, sublingual space, peripheral roll and elimination of lingual flange, (f) symmetry, (g) a stable denture base, (h) acrylic teeth.
- 420. OBJECTIVE of Mucosal-Seal is to obtain positive retention of the upper and lower denture upon all normal mouth movements.
- 421. Principles with no technique for obtaining them are worthless. The basic technique is available upon request.
- 422. Make sure MUCO-SEAL impressions are free of saliva and moisture before applying glaze.
- 423. ACRYNAMEL OPAQUE must be thoroughly dry before packing dough on it. The Opaque is soluble in the monomer and naturally will rub off if care is not exercised in packing. It thus becomes part of the jacket. Caution: Opaques which will not rub off may also not become part of the jacket.
- 424. You may depend on a CYCLO-MOLD DENTA PEARL tooth retaining its original shade after processing or upon reprocessing.
- .425. If investment sticks to acrylic teeth after processing, it is due to the teeth having a film of wax on them before investing. This wax may be safely removed by using equal parts ether and kerosene. Use no other solvents.

to doubt this theory. I have found that taking the bite in a protrusive position of the mandible, in certain cases, seems to give the patient more comfort and satisfaction esthetically than in the extreme retrusive position. I have made full upper and lower dentures with the mandible in a retrusive position and patients have liked neither the appearance nor the comfort of the dentures. In these cases I take another bite, letting the patient occlude in the position that is most comfortable, and then reset the lower to correspond. Invariably the patient is more pleased and comfortable.

This condition is more prevalent in older patients, particularly if the posterior teeth have been missing for some time. In these cases the condylar path has probably been altered.

Am I doing the patient an injustice in using the protrusive instead of the retrusive position, or should I insist upon the patient wearing the dentures in the retrusive position of the mandible? What I call the retrusive position of the mandible is that position where the incisal edges of the lower anteriors strike the lingual surfaces of the upper anteriors; and the protrusive position is where the lower anteriors protrude anteriorly beyond the upper anteriors.—B. B., New Jersey.

A.—The ideal or correct centric occlusion is of course at the most retruded position of the mandible from which it can function laterally in both directions. In other words, at the point of the Gysi gothic arch.

I think we all find, as you evidently have, that there are cases where the patient, from too great closure of the bite, from habit or some jaw abnormality, persists in functioning with the mandible in a somewhat protruded position. In such a case I set the teeth with considerable overjet and try to oc-

clude them so that they will balance and function in any position in which the jaw may close.—V. CLYDE SMEDLEY.

Exposed Roentgenograms

Q.—I am enclosing roentgenograms of right and left parotid areas of a patient.

Some time ago I began finding shadows on my roentgenograms in routine dental examinations. The results shown in these roentgenograms are typical conditions in a large percentage of my patients, these being almost identical with about a hundred others. It is beginning to have the proportions of an epidemic.

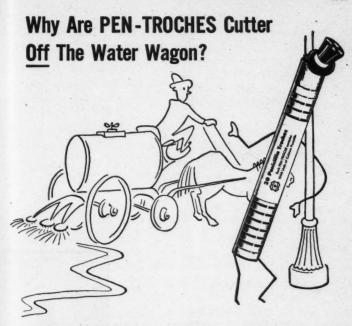
Some of these patients give no history, others have a mild inflammation, and still others a slight discomfort.

I have had no success in taking roentgenograms of the submaxillary and sublinguals, so I do not know if these show similar conditions.

In routine questioning it develops that most of these patients have been eating the widely advertised vitamins. Whether this is even remotely connected with my findings, I do not know.

Any suggestion you may offer will be greatly appreciated.—J. L. H., South Carolina.

A.—I believe the roentgenograms enclosed with your letter were placed between the alveolus and cheek and exposed in an endeavor to show the parotid gland. I do not believe it is possible to place a film far enough back to show the parotid gland. We often find a little deposit of calcium in the blood vessels of the cheek so I imagine the small radiopaque spots seen in your roentgenograms are either muscular or blood vessel deposits of calcium. The same thing may apply to your other films.—GEORGE R. WARNER.



"Penicillin dried and kept dry is stable... As long as you have water with it, it is unstable."*

That's why no water is used in massing Pen-Troches Cutter. More, it explains why Pen-Troches are available only in sealed, moisture-proof, single-prescription vials—since even atmospheric moisture is known to reduce the potency of penicillin tablets.

Equally important, Pen-Troches are chemically bound to make them slow-dissolving. Result is,

they are able to maintain an adequate penicillin level in the saliva for more than two hours.

A specific in the treatment of Vincent's Infection, reports are now encouraging on the treatment of other penicillin-sensitive oral infections, as well.

Cutter Laboratories, Berkeley, California Chicago · New York



*Fleming, Sir Alexander Modern Medicine 8:12:57, December 1945 Ompenetr





FLECK'S

MIZZY, INC. . 304 EAST 2

Absolute impenetrability guarantees that oral fluids containing acids and bacteria cannot seep through a cementing medium to loosen appliances or develop secondary decay. Absolute impenetration guarantees added years of service from the cementation.

Fleck's Zinc and Red Copper cements are absolutely impenetrable! That is one reason why it has been used so successfully and by more dentists than any other cementing medium. Proof of impenetrability is easily demonstrated in the following test.

Shape a mix of Fleck's cement into a pellet and allow it to set to consistency of thick putty. Immerse pellet in aniline dye solution for at least three weeks. Remove pellet and split in half as shown in illustration. In this test, where even the slightest penetration would show dye color below the external surface, both Fleck's cements will show clean, uncolored cross sections!

The full significance of this experiment is multiplied when you consider that even the slightest penetration would be sufficient to permeate the full depth of the average cement film.

CEMENT



Laffodontia

She: "If wishes came true, what would you wish for?"

He: "Gosh, I'm afraid to tell you."

She: "Go ahead, you sap. What do you think I brought up this wishing business for?"

The children were studying the life of Moses. Said the teacher: "What did God give to Moses on the mountain?"

"The ten commandos," shouted Harry.

A farmer engaged a young man from town and discovered that he was not very bright.

The new man was constantly putting the end boards of the cart on wrong. He would put the front board on behind and the back board on the front. Finally, the farmer painted a large "B" on each board and called the man's attention to them.

"Now, blockhead," he said, "you can't make any more mistakes. That 'B' is for 'before' and this 'B' is for 'behind.'

A young lady, finding herself stranded in a small town, asked an old man at the station where she might spend the night.

"There ain't no hotel here, but you can sleep with the station agent."

"I'll have you know I'm a lady."
"So is the station agent."

The man who brags, "I run things in my house," usually refers to the lawn mower, washing machine, vacuum sweeper, baby carriage and the errands. A rookie passing the mess hall, asked the cook:

"What's on the menu tonight?"

"Oh, we have thousands of things to eat tonight."

"What are they?"

"Beans!"

Pande: "What time is it by your watch?"

Monium: "Quarter to."

Pande: "Quarter to what?"

Monium: "I can't tell. Times got so bad I had to lay off one of the hands."

The company cook brought in a plateful of extremely thin slices of bread and butter, which rather dismayed his hungry battalion.

"Did you cut these, Sergeant?" asked

"Yes-I cut them," came the stern reply.

"Oh," went on the soldier. "All right
—I'll shuffle and deal!"

He: "Will you have dinner with me tonight?"

She: "Certainly."

He: "Then tell your mother I'll be over early."

Clown: "Who's the gal with the French heels?"

Frown: "She's my sister, and those guys ain't French."

"Paw." ★

"Now what?"

"Why didn't Noah swat both flies when he had such a good chance?"



*MY PET PATIENT," writes Dr. L. A. L., "brings a hand mirror to the office, holds it in front of her mouth while I'm working, and gets a fine look-see at all proceedings.

"Except for the mirror trick, I've no complaint. When I told her that only one dentifrice contains sodium ricinoleate to peptize adherent mucin and make it more readily removable with a brush, she took a quick squint in the mirror and said,



an all with a



uthroti

ANTE

ANNOUNCING:

porcelain anterior full natural lingual!

If you were to recommend specifications for an artificial tooth, you would undoubtedly specify design for distinct speech, tongue comfort, undistorted translucency, and "living" esthetics.

If these are your recommendations, you will find all of them embodied in this magnificent new tooth, designed for you, the Anthrotomic Anterior.

ORS

elirome

UNIVERSAL DENICAL CO.

48th at Brown St., Phila. 39, Pa.

Proco-Sol

PROCAINE SOLUTION 2%

SUITABILITY...

This solution is characterized by its high degree of suitability in cases where an injection anesthetic is indicated. Maximum safety combined with minimal post-operative reactions and/or distress for patients represent two important factors in this suitability. Another is PROCO-SOL'S efficacy in the relief of pain.

WITH PROCO-SOL, THE ELEMENT OF CONTROL IS ALWAYS IN YOUR HANDS

Write Us For Free Samples.

Consult your Dental Supply Dealer on regular quantities.



Proco-Sol

58th & Market Streets .

Radiography reveals up to 3 more cavities per patient



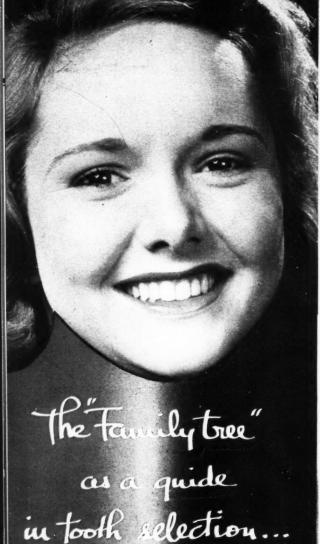
In NO branch of the clinical sciences has the x-ray played a greater role than in the practice of dentistry. Radiography enables dentists to give their patients more efficient service—greater protection.

Studies have shown that complete x-ray examination of the mouth will reveal, in addition to areas of residual infection and other conditions, from 1.5 to 3 more cavities per patient than can be detected by instrumental examination alone.

Kodak, with its many years of experience in the creation of better radiographic materials, offers you a complete line of dental x-ray film, chemicals, and accessory equipment—and, in addition, its service to you and your assistant in technical problems in connection with the use of Kodak products. Questions are invited.

EASTMAN KODAK COMPANY X-ray Division ROCHESTER 4, N. Y.

Koda



RESEARCH HAS SHOWN CONCLUSIVELY THAT THE "FAMILY" SIMILARITY OF TEETH PERSISTS THROUGH GENERATIONS AND IS GOVERNED BY THE LAWS OF HEREDITY

UNIVERSAL DENTAL COMPANY . 48th at B

As one of the most consistent of the "family traits," inherited characteristics of teeth are most helpful in Dentistry.

The child bears a "living" record of probable labial contours, color and tooth arrangement, for edentulous parents and grandparents.

ELY

NS

ED

When no other record is available, a blood relative is the most scientific guide for the selection of teeth in edentulous cases. Through the science of genetics, nature makes it possible to record for such patients, a pattern for the character and relation of centrals to laterals and cuspids—and their arrangement in the dentition.

How do Five-Phase Anteriors help to facilitate such a procedure? Instead of the usual "fixed patterns," Five-Phase Anteriors provide: 1. Varied labial surfaces characteristic of natural teeth. 2. Co-acting proximal contacts—for easiest set-up and transposition of laterals. 3. Veri-chrome Colors—following nature's plan of controlled brilliance. PLUS simplified color matching. 4. Superior porcelain—simulating natural tooth structure in depth, refraction and translucency. 5. Coordinate size system—for easier selection.

In short, Five-Phase Anteriors possess the lifelike individuality of natural teeth . . . the only means by which all the lifelike characteristics of the patients' teeth are available for reproduction in the artificial denture. * * * * * * *



BE SURE TO SPECIFY WITH THE VERI-CHROME COLOR GUIDE



UNTIL FURTHER NOTICE

Due to our shortage of platinum we cannot fill orders of Platinum Crowns unless platinum scrap is returned for exchange. We will have to do this until our situation regarding Platinum improves and we can again fill your requirements.

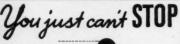
However, we have now resumed the manufacture of White Gold Crowns. You will find that you can substitute this crown in almost all cases where you used a Platinum Crown before.

You will also find these White Gold Crowns:

- 1. Stronger than Gold Crowns.
- 2. Non-tarnishing while being soldered or annealed.
- Can be reinforced without danger of burning, except by extreme carelessness.
- 4. Less conspicuous.
- Made in same sizes as our Platinum Crowns.
 Order from your dealer, or write for complete information.

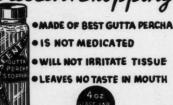
ISAAC MASEL COMPANY
1108 Spruce St. Philadelphia, Pa.







Crescent Stopping



rescent DENTAL MFG. CO.
1839 S. Pulaski Rd. Chicago 23, III



Lasts a Lifetime, Easily Refilled for 25c.

Send Dollar Bill for Samples Postpaid and Special prices and announcement of new models ranging from 50c to \$50.

Note — Get ready for the new Electric Amalgamator — out scon.

FLOSSY DENTAL MFRS. DEPT. 102 228 So. Wabash Ave., Chicago 4, Ill.

the dental patient is particular...

Yes, frequently very particular. While he may tolerate for a time life's average aches and pains, he demands prompt, effective relief of pain resulting from surgery, extraction, or other dental work.

More and more dentists are discovering that the analgesic, antipyretic effect of 'ACETIDINE' Tablets promptly relieves the pain most often encountered by their patients.

'ACETIDINE' Tablets are a combination of aspirin and acetophenetidin, skillfully balanced by a small amount of caffeine which promotes diuresis and counteracts any depressant effect which may result from aspirin and acetophenetidin.

Each 5-grain tablet or capsule contains:

Aspirin (Acetylsalicylic acid) ... 0.1770 Gm. (6 parts)
Acetophenetidin (Phenacetin) ... 0.1176 Gm. (4 parts)
Caffeine ... 0.0294 Gm. (1 part)

'ACETIDINE' Tablets or Capsules, 5 grain, are supplied in bottles of 100 and 1,000. Also in boxes of 12's and 36's. Sharp & Dohme, Philadelphia 1, Pa.

'ACETIDINE' Tablets





START THE PATIENT RIGHT...IT'S THE



DENTURES KEEP fit

IER (AND YOUR) Advantage

show the patient (before leaving the office) how easy and safe it is to keep the new denture in perfect condition with POLIDENT. Many later complaints can thus be easily avoided... complaints of irritation from plates worn by brushing with abrasive cleaners, of offensive odor due to undissolved mucin plaques, and of unsightly discoloration.... Furthermore, the danger of chipping or breaking is materially reduced, because of the minimum handling necessary with POLIDENT.

NUDSON PRODUCTS, INC., JERSEY CITY 6, N. J.



SOAK

Soak 15 minutes in solution (or overnight)

(1 glass water to capful POLIDENT)



RINSE

Hold under running water to rinse—

THAT'S ALL

Approved for use by leading manufacturers of acrylic denture material.

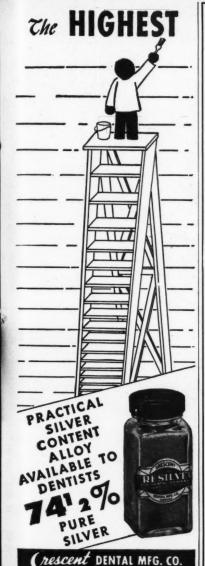
WITH POLIDENT



1839 South Pulaski Road, Chicago 23, Illinois



LOS ANGELES...



1839 S. Pulaski Road

Chicago 23, Illinois

FORMULAS

for the PREVENTION and TREATMENT of ORAL INFECTION



"D-5" SILVER NITRATE "D-6" REDUCER Simple Technic

Will Not Discolor WILL NOT HARM TISSUE D-5 Ammoniated Silver Nitrate, to

be used in conjunction with D-6 Reducing Agent. An entirely dif-ferent Silver Nitrate Solution. DOES NOT DISCOLOR. The technic is simple and time saving. Its use does no harm to soft or hard tissue. D-5 is an improved Silver Nitrate Formula providing all the well established advantages of silver nitrate therapy, and avoiding objectionable discoloration.

Write for information and technic Other "D" FORMULAS are:

"D-1" Dental Astringent

"D-2" Topical Anesthetic "D-3" Pain Reliever

"D-4" Odorless Surgical Paste

Order from Your Dealer PERIODONTAL SPECIALTIES COMPANY 809 West Madison St. CHICAGO 7, ILLINOIS



aproved Holhesion

To prevent skidding of cars, sand or ashes are often sprinkled on icy winter streets. The physicist calls this improved adhesion between rubber and ice molecules. • WERNET'S POWDER accomplishes exactly this, when sprinkled lightly on dental plates. By providing a mucilaginous binder it prevents skidding of the dentures on the smooth gums, under the awkward manipulation of the new denture patient.

WERNET'S POWDER

NSURES DENTURE STABILITY AND RETENTION



ONE-PIECE CASTINGS



...Platinum-PALLADIUM-Golds

Golds containing platinum and palladium meet the requirements for accuracy in castings and good surfaces so that only minimum finishing is required.

An informative 40-page booklet, "Platinum-Palladium-Golds in Dentistry," will be mailed upon request. ADVANTAGES of using

Platinum-PALLADIUM-Golds

- Increased strength combined with appropriate resiliency.
- Adequate hardness for resistance to wear.
- Security in soldering operations.
- Ease in hardening and softening operations.
- 5. Resistance to discoloration.
- Rapid transmission of heat and cold sensations (most important in full upper plates).

Platinum Metals Section

A New, Important Contribution to MODERN EXODONTIC TECHNIQUE

• For years widely used in general surgery, Gomco Aspirators are fast gaining acceptance among exodontists and oral surgeons, as well as many general practitioners. Here is the truly efficient way to keep the field of operation free of blood and saliva, eliminating bothersome and time-taking sponging. The Gomco Aspirator is especially indicated where gas analgesia and anaesthesia are employed, since it averts the serious danger of a patient's inspiring foreign material into the lungs.

MINIMIZES TRAUMATISM of the tissues by effectively removing infected materials.

PROVIDES THORO DRAINAGE throughout mouth and throat areas, abscessed cavities, cysts, antra.

REMOVES TOOTH FRAGMENTS quickly and safely.

The Gomco Aspirator is attractively modern in design, easy to control, built for years of serviceability. Write for descriptive literature.

GOMCO
SURGICAL MANUFACTURING CORP.

828D E. Ferry, Buffalo, N. Y.



The Gomco Aspirator No. 1002.

A deluxe unit, complete in every detail.

Provides both suction and pressure.



The Gomco Aspirator No. 789.
A compact, complete unit, easily portable.

GOMED ASPIRATOR

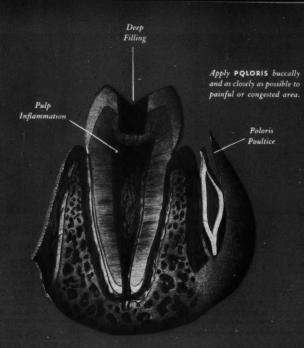
Local RELIEF for Local PAIN

.. THROUGH LOCAL COUNTERIRRITATION



POLORIS

CAPSICUM - BENZOCAINE



for example:

POST-FILLING SENSITIVITY

Since the blood and nerve supply of the tooth pulp breach from the blood and nerve supply of the gingivae, local counterirritant stimulation of the gingivae (as with POLORIS) creates a functional reaction which helps relieve pulp congestion and pain. • For a professional supply of POLORIS, write to POLORIS COMPANY, INC., 12 HIGH ST., JERSEY CITY 6, N. J.



DENTISTS, STUDENTS, TECHNICIANS Send for this Special Assortment of

CRATEX Wheels and Points TRIAL \$100

This trial box (worth considerably more) is a generous assortment to give you an opportunity to prove to yourself that CRATEX are the best Wheels and Points you can buy. Send a dollar to-day.

CRATEX MANUFACTURING CO., 91 Natoma Street, Sun Francisco 5, California

THE DEWEY SCHOOL OF ORTHODONTIA

founded in 1911 by Martin Dewey, D.D.S., M.D.

(Authorized by The Board of Regents of
the University of the State of New York.)

Sessions held at intervals throughout the year. Date of next session on application. Classes limited.

For further information write The Dewey School of Orthodontia, 17 Park Avenue, New York City.

The GENERAL AUTOMATIC FURNACE



Chamber 8½x5x4, 115 V. AC. 700/1400 W. 12.5 Amps. Uniform and accurate temperature by Indicator Controller (U. S. Patent). No rheostat. Positive automatic Shut-Off. Precision Castings every time. All stainless steel. Many new features. Write to-day for complete literature.

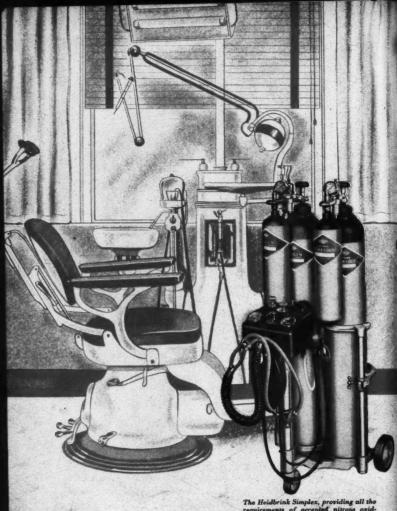
KARL A. KREIS
Orthod. and Clinical Equipment.
Flood Bidg., San Francisco 2, Calif.



CHURCH & DWIGHT COMPANY'S long experience with Sodium Bicarbonate is emphasized by these historic events which date on founding, reproduced from a series of advertisements which have appeared in professional publications.

Our Sodium Bicarbonate brands, Arm & Hammer and Cow Brand, are among the dentifrices acceptable to the Council on Dental Therapeutics of the American Dental Association. They are widely available at low cost.

CHURCH & DWIGHT CO., Inc.
10 Cedar Street New York 5. N. Y.



OHIO.

The Heidbrink Simplex, providing all the requirements of accepted nitrous oxidoxygen technics for anesthesia, plus all technics for nitrous oxid analgesia including self-administration by the patient.

E

idr Hei

THE OHIO CHEMICAL & MFG. CO.

GENERAL OFFICES: 60 EAST 42nd STREET NEW YORK 17, NEW YORK

BRANCH OFFICES IN PRINCIPAL CITIES

In Canada: Oxygen Company of Canada Limited, Montreal and Toronto Represented Internationally by Airco Export Corporation

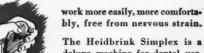
Every Patient a Better Patient

with "Analgesia"

Diminate fear of pain and dissmfort and you remove a most sportant reason for cancelled or roken appointments, and for utting off into the future dental sork that should be done today,

With analgesia through selfdministration, made possible by the
Heidbrink Simplex or the Heidbrink
hirator, fear of pain is no longer uppermost in the patient's mind. To him it
iterally seems like magic that a slight
ressure of his own hand on the bulb can
hmost instantly free him from pain. After
one experience he no longer has that everpresent fear of the dentist's chair which
auses him to cancel appointments on
slight pretext or to put off needed
dental treatments. And he tells his friends
bout his new experience.

In the chair he is relaxed, co-operative . . . ; you can accomplish more in the appointment period, work longer when advisable,



deluxe machine for dental use, providing all the requirements of the accepted nitrous oxidoxygen technics for anesthesia,

plus all the technics for nitrous oxid analgesia including self-administration by the patient.

The Heidbrink Airator is an easy-to-use, easy-to-understand one-purpose machine, designed solely for self-administration of suitable mixtures of nitrous oxid and air by the patient to produce analgesia.

Ohio-Heidbrink products for the dental profession are available through recognized "Ohio" dental dealers, located in principal cities.

For booklet "Analgesia with Nitrous Oxid" and complete information about Ohio Dental Specialities, mail coupon below.



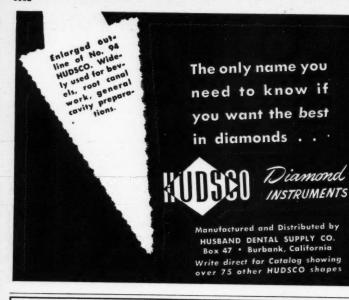
hie Ethyl Chloride. Ohio Ethyl bloride is produced especially oranesthesia—in standard size lass tubes, glass syphon tubes and chromium-plated metal lubes,

ua-ol Dressing. A soothing, lean-tasting, antiseptic dressing for tooth sockets. Sedative action is quick, powerful and ure, and keeps the patient comfortable from 24 to 48 hours. Maves Inlay Wax. May be softened with either dry heat or warm water, is thoroughly moldable and can be 'drawn' and reshaped. Hardens at mouth temperature. Carves to knife edge margins. Made in sticks or assorted cones.

gins. Made in sticks or assorted cones, Bite Blocks. Heidbrink bite blocks cannot buckle—a soft, yet tough rubber biting surface covers the vulcanite core which gives rigidity. Three sizes, small, medium or large, singly, or in sets of three. Film Holder. The Heidbrink dental film holder insures proper placement and retention of the film in the mouth, at any angle. Muscle tremor is eliminated and the operator's hands left free. The patient's tongue cannot displace film.

Mouth Props. The metal center of Heidbrink mouth props is rigid and indestructible, yet so small and smooth that the tongue slips past without dislodging prop. Rubber and plugs removable for sterilization. Available singly or in sets of five.

THE OHIO CHEMICAL & MFG 10 East 42nd St., New York 17, N. Y.			Please send me	
Name			Booklet "Analgesia with Nitrous Oxid"	
Address			Information on Ohio Dental Specialties	
Div	State	ОН	-	ı



EVER READY BANDS

Copper, Steel, or Stainless Steel No Retainer Necessary

- As Matrix Band-
 - 1-Slip end of band thru slot 2-Fit to tooth and fold back edges
 - 3-Band on tooth
 - 4-Cut off excess length

For Inlay Impressions, use excess length as handle. Do not remove. Package of 1 doz. bands \$.55 One dozen packages....



BROACH CO., UNION 37 W. 20 ST. NEW YORK 11, N. Y.

SAVES TEETH

Dr. Cornish Tooth Powder with Vitamin D and Fluoride

Checks decay in most small tooth cavities. Stops most cases of gum bleeding within two weeks.

Traces of fluoride in the drinking water have largely prevented tooth decay in Deaf Smith County, Texas.

From your 2 oz. 30c druggist or direct. 4 oz. 50c Literature and sample mailed on request.

CORNISH LABORATORIES 743 Dwight Way - Berkeley 2, Calif.

SOLID BRONZE SIGNS

PARCEL POST PREPAID Cast, solid bronze signs, drilled with screws

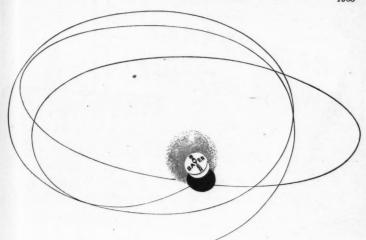
Dr. M. WHITELEY

3" x 12"—\$6.50, 3" x 14"—\$7.60, 3" x 16"
—\$8.70. Add \$1 for each additional line.
CHECK MUST ACCOMPANY ORDER

Ask for prices of other sizes.

Also: "Office," "Waiting Room," "Ring & Walk
In," and "Information"—3" x 12", \$6.50 each.

LAUER METAL SHOP 1108 Cathedral Street, Baltimore 1, Md.



n a single year
doctors have written from
ten to twelve million prescriptions
containing Aspirin*

The Bayer Laboratories at Rensselaer, New York, have specialized in the making of Aspirin for over 46 years.

To insure the quality, purity, uniformity and quick disintegration of Bayer Aspirin, seventy different tests and inspections are used.



BAYER Aspirin

*Estimate of a leading authority on pharmacy after a survey of thousands of prescriptions.





Timely Suggestion

fo

Keep a thermos bottle of ice water on hand for use whenever you are mixing

an alginate impression material. (Many dentists do this all year 'round.)

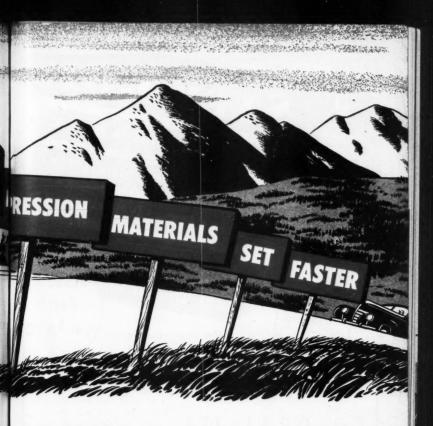
Always check water temperatures carefully with a thermometer.

Setting time is determined by temperature, so your thermometer is your control factor—and a very important one, too.

Follow the manufacturer's recommendations carefully—cooperate fully with your dental laboratory—and you will obtain uniformly satisfactory results.



DENTAL PERFECTIO



AND FOR UNRIVALLED ACCURACY IN ANY SEASON



p-P Three-in-One Cream for Full Impression Washes, Bridge and Indirect Inlay Impressions. Registers the most minute detail. Elastic, yet possess surface hardness. Compounded to compensate for stone expansion.



D-P Elastic Impression Cream embodies the best features of Hydrocolloids and Plaster. Requires no boiling, no chilling, no special solution.



D-P Impression Colloid is unrivalled for strength, toughness and elasticity and is extremely accurate for Partial, Full and Indirect Inlay Impressions. Needs no mixing. Usable at near body temperature. Improved set on all stones and investments.



Use

CO-ORAL-ITE

To Save Precious Time

Reconversion demands the saving of time for every job. Let this quick mix, fast setting, impression material help save precious moments for you. Ask your dealer today!

*

CO-ORAL-ITE DENTAL MFG. CO.

Makers of Superior Dental Products Since 1919
Santa Monica, Calif.



Get a Free BS Polisher without obligation

In order to introduce you to the efficiency, smoothness, coolness and comfort of this soft, flexible rubber polisher, we will send you one absolutely free—without obligation. Use the coupon below.

Young Dental Mfg. Co., St. Louis 8, Mo. Gentlemen:

Without any obligation send us one of your B S POLISHERS — ABSOLUTELY FREE.

NAME																					
ADDRE	SS																				
CITY							S	1	Γ.	A	1	ij	E								

CHANDLER RECORD

Special forms for

General Practice, Exodontia, Orthodontia, Periodontia, School, Hospital, Laboratory Design, Health Diagnosis, X-Ray Diagnosis.

Write for Samples

H. M. CHANDLER CO.

108 W. 42 St. New York 18, N. Y

DENTAL and ORAL INFECTIONS Amenable to PENICILLIN'

Abscesses of mouth and cheeks

Apical granuloma

Clostridial cellulitis Compound fractures of jaw

Dento-alveolar abscesses

Dry socket infections

Gingivitis, fusospirochetal (Vincent's)

Gingivitis, bacterial Mandibular infections Periodontoclasia simplex

Post extraction infections

Pulpitis

Stomatitis, bacterial

Stomatitis, fusospirochetal Osteomyelitis of jaw

Wounds, traumatic



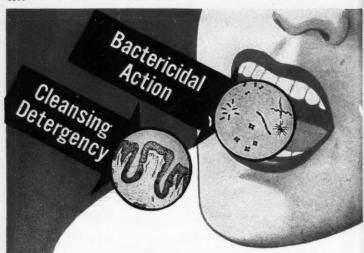
*According to recent investigators it would appear that penicillin may prove of therapeutic value in the above oral diseases.

BRISTOL PENICILLIN, because of its low toxicity and freedom from pyrogens, its absolute sterility and standard potency, provides dependable therapeutic action.

BRISTOL

LABORATORIES INCORPORATED

SYRACUSE 1, NEW YORK



CEPACOL

Combining greater mucus-clearing detergent action with a superior bactericidal effect, CEPACOL is valuable as a spray or rinse at the chair, as well as for everyday oral hygiene.

Containing no phenols or mercurials, Cepacol is clinically nontoxic and nonirritating to sensitive tissues. Does not affect instruments, dentures or bridges.

PLEASANT TASTE—The delightfully refreshing flavor has an immediate appeal to your patients.

At prescription pharmacies in pints and gallons.



Trademark "Cepacol" Reg. U. S. Pat. Off.

M. S. MERRELL COMPANY . CINCINNATI, U.S. A

Every Dentist Should KnowKerr's Built-in Cure Control Means Accurate Fit 231°7 218½° CONVENTIONAL ACRYLIC CRYSTOLEX FORMULA 102

 Biggest new thing in acrylics is the cure control which Kerr has built into Crystolex Formula 102.

Because of this control, Crystolex dentures cure slowly and uniformly—not successively, thin sections first. So your denture comes through with new freedom from internal strains—a perfect fit that seats comfortably and stays put.

Your laboratory will welcome your specification of Crystolex for every discriminating customer.

KERR DENTAL MFG. CO., DETROIT 8, MICHIGAN

Established 1891

KERR CRYSTOLEX

Formula 102 -



"The Foster" VIBRATOR

Heavy enough for the lab. Light enough for the Dr.

- 1.—Controlled Vibration; 3 speeds
- 2.—Soft Cushioned, Will Not Jump
- 3.—Chrome Plated, Heavy Duty
- 4.—Water Proof Coil, Heavy Switch
- 5.—A Fixture For Your Office

Price \$19.75

RAY FOSTER Dental Supplies

510 South Alandele

LOS ANGELES 36, CALIF.

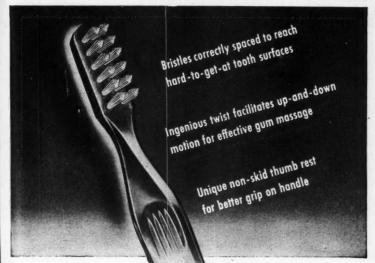






Ask your Dealer for demonstration.

Send for Catalog CHICAGO WHEEL & MFG. CO.
1101 W. Monroe St., Dept. OH, Chicago 7, III.



Designed with the aid of 1,000 dentists

Guided by the recommendations of a thousand practicing dentists, we created a new and better tooth brush.

The D. D. TOOTH BRUSH has been widely acclaimed by leading periodontists. One of its outstanding features is the ingenious 45-degree twist in the handle. This facilitates proper placement of the brush on the teeth, and almost automatically insures a rolling up-and-down movement for correct tooth brushing and gum massage.

Another unique feature of the D. D. TOOTH BRUSH handle is the non-skid thumb rest which prevents slipping even when the fingers are wet.

Whether you recommend the two-row or three-row type, your patients will be assured of a truly scientific aid to oral hygiene.



Scientifically designed to reach every exposed surface of every tooth...more easily and effectively.



SQUIBB ANGLE TOOTHBRUSH

SQUIBB A name you can trust

Incomparable Precision Instruments for the Most Precise of All Operative Procedures — Cavity Preparation

CHAYES PRECISION

HANDPIECE AND CONTRA ANGLE

Cutting into live, sensitive tooth structure in preparing a cavity of almost microscopic dimensions is, at best, an exacting operation. It requires a keen eye, a sure hand. But no matter how keen your eye, how sure your hand, or how great your skill, between you and the tooth is a fast moving handpiece through which your skill is transmitted to the cutting bur or stone.

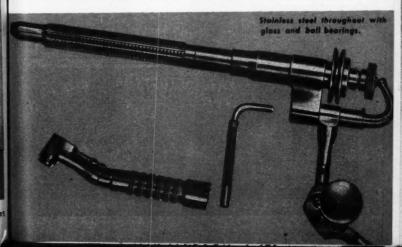
Chayes Precision Handpiece and Contra Angle are fine precision instruments, made to feel and be like a veritable part of your hand; as sensitive and responsive to your will as your finger. Silent, vibrationless, perfectly balanced they make cavity preparation effortless for you, more comfortable for the patient. A few sure, deft strokes and it's over.

Order Your Chayes Precision Handpiece and Contra Angle now, Your dealer can now assure delivery.



460 West 34th Street, New York 1, N. Y.

Manufacturers of CHAYES PRECISION HANDPIECE, CONTRA ANGLE, MOUNTED POINTS, ATTACHMENTS and Other Precision Instruments for Dentistry.



For Better Cavity Preparation Use Fast, Smooth, True-Cutting CHAYES PRECISION MOUNTED POINTS





Dependable Quality in a Prepared CLEANSER

Sterodent Cleanser is skillfully prepared to an exacting formula, using six balanced powders. Sterodent cleans and polishes in one time-saving operation, holding to the brush, without flying or spattering. Patients find it refreshing to the taste.

Oraclenz, its companion product, strips teeth of mucine with a pleasant, quick mouth rinse, prior to application of Sterodent.

Thousands of Dental Offices use Sterodent and Oraclenz

Z Coagulent MC

Order from Today your STERILE PRODUCTS CO. SAN DIEGO 1, CALIF





SURFACE ANESTHETIC

NUM has everything it takes-

- Powerful anesthetic action.
- Non-narcotic.
- · Non-toxic. · Non-irritating.
 - · Non-acid.
 - Pleasant smelling.
 - Tasteless.
 - Non-evaporating. Non-corroding.

In the Silver and Black Box Order from Your Dental Depot

NUM SPECIALTY CO. 4614 Fifth Avenue Pittsburgh, Pa.

NOW Visible - X-RAY FICTURES in a JIFFY! Place reflector in the mouth, adjust your X-Ray and there's your picture on the Reflector. Sterilize in cold sterilization. - \$5.00 112"- 57.50 2 - 510.00 UNION BROACH CO., INC. 37 West 20th St., New York 11, N. Y.

$Nyk \nabla$





Cleanser

Gently cleans and polishes, without marring, delicate structures of gold and other metals. Purifies acrylic settings. Maintains original teeth brilliance.

Denture

Nyko

Nyko Bridge and Clasp Brushes. Perfected to reach all inner surfaces and exten-Two sizes. sions.



Nyko Adherent Powder.

Processed from pure, natural, Karaya Gum, pleasantly flavor-ed. Non-medicated. Does not contain Sodium Borate (Borax). Merit tells its own story.

Everything For The Better Care of Artificial Dentures

Nyko owes its Nationwide Drug Store distribution entirely to personal recommendation by the Dental Profession. This ethical approval has been granted in recognition of quality and scientific compounding to meet most of the common problems of patient home cooperation . . . involving both comfort and cleanliness.

Your card or bill head will bring you (in U.S.A. only) Professional Package of Nyko Preparations. Also request copy of "Your THIRD Teeth" Brochure . . . Supplied for distribution to your patients.

NYKO, INC., CHICAGO 10 415 West Chicago Avenue



Nyko Cleansing Powder.

Used as a solution to remove stains and soak-cleanse dentures made of vulcanite, acrylic, and other pink materials.

Dental Plate Container.

Stores full set of upper and lower dentures. Also used as denture soak-cleansing bath.

Nyko Full Plate Brushes.

Scientifically designed. Regular (left), Deluxe Double-action (right).



Hardly! But the patient may unwittingly use a harsh kitchen cleanser on his priceless new denture, and thus ruin a work of dental art... unless the dentist recommends modern functionally designed cleansing aids. With Wernet's Dentu-Creme and Dr. Wernet's Plate Brush, even the beautiful new acrylic resin denture materials may be safely and thoroughly cleaned without danger of abrasive damage. Dr. Wernet's Plate Brush has wired-in bristles, divided tufts, and rigid handles,



post operative

analgesia detergency myokinesia

Dillard's

Pleasantly effective, the use of Aspergum has become a well established procedure in caring for the dental patient's comfort.

Aspergum

-used after extraction, scaling, or other instrumentation—accomplishes three main purposes:

AFFORDS added relief of local pain or irritation

PROVIDES an oral detergent action by increasing salivary flow

IMMINITS the development of secondary trismus by exercising the muscles of mastication

Ethically Promoted ... not advertised to the latty

HITE LABORATORIES, INC., Pharmacoutical Manufacturers, Newark 7, N. J.





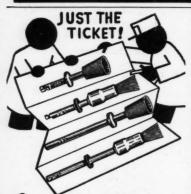
PREMODEL TRIMMER

for SAFETY, SPEED AND ACCURACY!

Trims stone or plaster — wet, dry, green or cured — without chipping or breaking. A simple dependable power trimmer turning out geometrically precise models — with each angle and trimmed surface perfect.

KENNETH MILLS

4250 GARDENIA AVE. LONG BEACH, 7, CALIF.



Crescent Polishers

- Permanently Mounted
- Won't Come Loose
- Assures Safety for Patient
- Protection for YOU

(rescent DENTAL MFG. CO.

NO FINER X-RAY

What makes a great dental x-ray unit? Many angles must be weighed—appearance, compactness, fiethility, convenience to the state of the

Why not get the facts? Send for our large, two-color, illustrated and descriptive folder and judge for yourself.

H. G. FISCHER & CO.

2323-2345 Wabansia Avenue Chicago 47, Illinois

SECRETS ... OF

Easy to Learn "Dynamic Swing" Every Pro Uses

PLAY IN THE 70'S. Enjoy your game. Amaze your friends. Get out of the "dub" class by using golf secrets prost powerful and accurate swing. Five basic secrets prography on rhythm and power, eliminate hook and slice ... make mast FER FOR EVERY CLUB. Easy to make long drives beautiful approach shots. Learn in a few days—10 minut practice at day. COMFLETE COURES NOW ONLY SLE postpaid, or \$1.00 plus 20e for postage and C. O.D. fee. Imoney back if you re not amazed with results, so order NO

THE SYLVAN COMPANY 125 Seventh Ave.

WE STAY ON TOP Rx BLANKS \$2.80 FOR 1000 PRINTED ON PROFESSIONAL BOND PAPER OF 100 FREE CATALOG SHOWS MORE THAN WE SERVE OVER \$8,000 DOCTORS PROFESSIONAL PRINTING COMPANY, INC AMERICA'S LARGEST PRINTERS TO THE PROFESSIONS EAST 22nd STREET NEW YORK 10. N NEW DEVELOPMENT IN COPPER PLATING ELEKTRO-COMPOUND (IMPRESSION STICKS) Current flows THROUGH impression to ALL surfaces. MORE ACCURATE dies in HALF the TIME. ETHICAL BRANDS, Inc. (Medical Arts Center) 57 West 57th Street, New York 19, N. Y. Please send Introductory Kit of ELEKTRO-COMPOUND \$4.00 Check One Enclosed is \$4.00 Charge my Dealer. Dr. Address.

Dealer.... Address.

Helps 3 ways in ORAL HEALING

CAMPHO-PHENIQUE

(Phenol 4.75%, Camphor 10.85% in an Aromatic Mineral Oil Base)

Antipruritic and
Antiseptic Properties

This splendid camphor and phenol formula has long been a favorite of the profession for its beneficial action on inflamed, irritated, or edematous gum and oral mucous membrane. It works as a mild surface anesthetic to relieve pain, and combats swelling and secondary infection.

Apply with saturated cotton tampon for relief in

Post-Extraction
Post-Prophylaxis • Dry Sockets
Gum Lesions • Stomatitis

SEND FOR FREE BOTTLE	
CAMPHO-PHENIQUE Dept. OH- 6, Monticello, Illir Please send me a free bottle o Phenique Antiseptic Dressing	nois f Campho-
Name	
Address	
CityState	



and diagnostic detail...



KERR DENTAL MFG. CO. Exclusive distributors to the dental trade



Ethically Promoted

Now ready for your prescription

NEW COMPLETE PY-CO-PAY TOOTHBRUSH LINE

Available in all drugstores after April 15th will be a complete new line of professionally designed to complete new line of natural bristle and nylon textures, which discriminating dentists may prescribe in accordance with the individual needs of their patients...

Natural bristles hard Natural bristles . . extra hard* These brushes continue the Py-co-pay tradition of making available for professional specification the finest brushes that can be made — with functionally correct design, incorporating a small head with two rows (6 tufts per row). These new natural toothbrushes are made with genuine Chungking bristle and are the finest natural bristle toothbrushes that Py-co-pay has ever offered.

PYCOPÉ, INC., 2 HIGH STREET, JERSEY CITY 6, N. J.

*improved black bristles

Py-co-pay

TOOTH BRUSHES AND TOOTH POWDER





THOROLD SPLINT

For External Fixation of Jaw Fractures

With the Thorold External Pin Fixation the broken ends of the jaw can be reduced and immobilized quickly and accurately. The Splint as furnished consists of 3 complete units and 2 threaded tiebars and will afford treatment of 2 separate fractures of a mandible. Pin and assembly are constructed of proven tissue-tolerant metal. Locks rigidly, affording excellent immobilization.

Ask your dealer or write for literature,

THE BENDICK COMPANY Lapeer. Michigan

2% PROCAINE With EPINEPHRINE 1:50000

2% PROCAINE With EPINEPHRINE 1:25000



VACUUM PACKED

We offer you a leak-proof cartridge. The rubber diaphragm is so constructed that it locks tight over a special curled lip which we have on our glass tube.

We manufacture our own glass tubes. When a glass cartridge is glazed, the true inside diameter becomes unobtainable. We, therefore, grade our glass tubes before glazing, which insures proper selection of our plungers. Cartridges work smoothly at all times.

ORDER THRU
YOUR DEALER

100 \$5.00 | 200 \$9.00

GRAHAM

CHEMICAL COMPANY
84-71 Parsons Boulevard Jamaica 2, N. Y.

TORIT

acetylene apparatus



Use TORIT Acetylene Apparatus to Avert burning and spoiling of gold work

TORIT manufactures Blowpipes, Bunsen Burners, and Wax Eliminators designed to use acetylene gas without the addition of compassed air. They are safer and far superior to gasoline equipment. Easily controlled, their temperature ranges are better than ordinary gas for all gold operations.

The production of TORIT Acetylene Apparatus is proceeding as rapidly as conditions permit. Supplies are still limited, but this situation is improving daily. For complete information and the latest TORIT Dental Catalog write: TORIT MANUFACTURING COMPANY, 279 Walnut Street, St. Paul 2, Minnnesota.

Torit Dental Products



• Here at last is the matrix clamp you have always needed. It automatically adjusts itself to the tapering contour of the tooth, drawing its band up perfectly tight both at the occlusal circumference and at the smaller gingival circumference of the tooth. It adapts perfectly to the anatomy of the tooth without the use of wedges and provides a perfect gingival fit around the entire circumference of the tooth.

Once you have used this new clamp you will find it indispensable in making M.O.D. or three-quarter wax patterns, and amalgam fillings.

NOTE THESE FEATURES

- 1. Perfect adaptation to the anatomy of the tooth without wedges.
- 2. Gingival fit around entire circumference of the tooth.
- 3. Band follows contour of tooth under free margin of the gum.
- 4. No impinging on gum margins.
- 5. Fits any tooth in the mouth.
- 6. Adapts easily, positively and quickly.
- 7. Small and compact . . . Several matrices can be placed in the mouth at the same time—even on adjacent teeth.
- 8. Same band can be used many times without removing it from holder. New band easily inserted.
- Extra bands of accurately gauged stainless steel in proper length and width always available.

Made in two sizes—WIDE for average teeth, NARROW for deciduous and short teeth. Prices (in U.S.A.): Either size clamp \$4.50—extra bands 60c per dozen.

An open letter to the profession

AMERICAN FIFTIETH MNNIVERSARY STERILIZER COMPANY



While bacteriological and clinical observations have but recently confirmed the hypothesis that cross-infection and epidemic spread are often directly traceable to air-borne infectious organisms, HYGEAIRE development evidences the degree to which scientific control measures have kept

Hygeaire Units afford the profession the most economically effective means of safely disinfecting contaminated air . . . germ-killing ultraviolet energy at its optimal intensity.

Wherever common occupancy of enclosed spaces exist, Hygeaire serves to destroy air-borne bacteria and viruses which are rapidly conveyed to within the disinfecting field by normal thermal circulation. It is effective against air contamination caused by . . . (1) air-suspended viral organisms resulting from coughing and sneezing . . . (2) bacteria liberated as dust particles from dressings and bed clothing . . . (3) those transmitted from remote areas of the premises on prevailing drafts. Such dried organisms, as particles of dust, have been shown to retain their viability for long periods.

To clarify any possible misconception of clinical latitude, it is important to stress that infectious bacteria . . . as air-borne particles . . . must first pass through the disinfecting field before they are rendered impotent. Obviously, the possibility of infection resulting from direct exposure to bacteria expelled by coughing, sneezing, or close social or occupational contact, is solely dependent upon the immune status of the recipient.

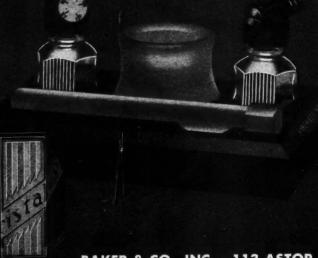
Medical concept places air disinfection on a par with water purification. Hygeaire germ-killing capacity is equivalent to from 100 to 500 air changes per hour-an efficiency far in excess of established requirements. Hygeaire per none—an emercincy on an executive of the second of the for schools and institutions with which you may be affiliated. Ask your

Very truly yours,

AMERICAN STERILIZER COMPANY

How to get best resulting

BAKER



BAKER & CO., INC. . 113 ASTOR STREW

with Alristalou

READ THESE IMPORTANT FACTS!

Aristaloy restorations have all the characteristics of cast metal.

However, to get such results, Aristaloy must be accurately proportioned with mercury. This may be done by weighing the portions or much more easily by using the Baker Adjustable Aristaloy Dispenser (supplied without charge in our #1 Demonstration Package).

Aristaloy occupies far less volume by weight than any other alloy. Therefore, do not attempt to proportion Aristaloy with any other type of dispenser nor is the Baker Adjustable Aristaloy Dispenser accurate for ordinary course grain alloys.

Aristaloy particles are selected by our special apparatus to conform to certain sizes and shapes which allow the particles to slide closer together into a more dense mass even in its unamalgamated state. That's why you get so much more Aristaloy metal into a given area. What's true in the dispenser is equally true in the tooth.

The Baker Adjustable Dispenser, complete with mortar, pestle and stand is supplied without charge in the #1 Aristaloy Demonstration Package. Your dealer carries it in stock and will be glad to supply you at once upon request.

VORIS

It's Different and so Thorough

Lavoris does not depend upon high-powered germicidal agents; but coagulates, detaches and removes objectionable matter, without injury to delicate tissues.



SIMPLIFIED BITE TECHNIQUE

Registration of centric occlusion can be accomplished within a few minutes. Complete Instructions consist of illustrations, literature and the registration bar. PRICE \$10.00

Address all communications to A. T. Adamczyk, 926 So. Union Ave. Los Angeles 15, Calif.

Developing

Overall size 16" x 7" x 9" of \ SENSATIONAL hard rubber; 3 compartments | LOW PRICE!





If your present tank is about "shot" . . . if you intend to get a new one even far in the future . . . it will pay you to buy this developing tank now, and store it!

Built to exacting government specifications, the tank is solidly constructed with reinforced corners and ribbed bottom for extra strength.

In every way, "the buy of a life-time." Easily worth \$9.95.

Sent prepaid anywhere in U.S.A., while they last, at low price of only (less hangers)

Order To-day

540 N. LaSalle St. Chicago 10, III. THE MOSTOW CO.

Manufacturers & Distributors of Photographic Equipment



NO LOSS OF TIME

... after disinfection in Metaphen Disinfecting Solution. Instruments removed from this solution are ready for immediate use without rinsing or drying since Metaphen Disinfecting Solution is nonirritating to the skin and oral tissues, and does not leave a gummy deposit to interfere with the free action of hinged instruments. ● This widely used product, designed for cold disinfection of instruments, may be relied upon, in the absence of blood and exudate, to kill common pathogenic bacteria (except tubercle bacilli and certain spore-bearers) in ten minutes or less. ● Metaphen Disinfecting Solution does not pit or dull cutting edges. It is stable, non-volatile, and even long continued use on reasonably clean instruments does not diminish its disinfecting potency. You and your patients will appreciate its freedom from fumes and odor. ● To enjoy all these advantages in your own practice, order a quart or gallon bottle of Metaphen Disinfecting Solution from your pharmacist today. Abbott Laboratories, North Chicago, Illinois.

Metaphen* Disinfecting Solution



-AND ANOTHER
THING, DOCTOR,
I WANT TO
THANK YOU FOR
RECOMMENDING
DENTLOCK
AND DENTGLO!

DENTLOCK DENTURE POWDER

Long-lasting effectiveness . . . holds plates firmly but gently . . . provides a "comfort cushion" which minimizes irritation, helps soothe tender tissues.

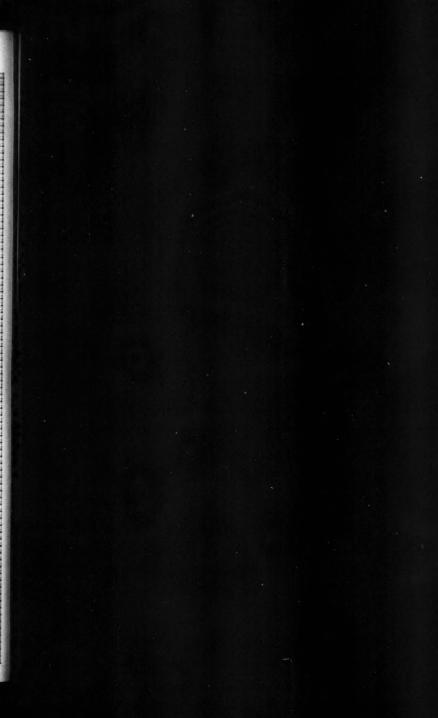
DENTGLO

BRUSHLESS CLEANSER

Keeps dentures clean, sanitary. Cleanses by immersion, eliminating the danger of destroying denture seal through abrasive brushing.

These two fine denture aids help you insure greater patient satisfaction.

FORT ORANGE CHEMICAL CO., Albany 5, N.Y.





the Crown Jewel of acrylic denture materials

Color to match
the individual complexion!
KORMIX JEWEL TONE
OFFERS A WIDE RANGE
OF PINKS FROM LIGHT
TO DEEP.

Specify:

- 1. Pearl Pink
- 2. Topaz Pink
- 3. Diamond Rose
- 4. Ruby Rose .
- 5. Carnelian Red
- 6. Garnet Red

SEE your dealer for the KORMIX SHADE GUIDE for a color to satisfy the most discriminating taste!



get ACQUAINTED OFFER

Regular $\frac{1}{2}$ lb. size (12 units) any Shade, value \$4:00 ONLY \$3.00 ea.

USC Kormix Jewel Tone

a product of

E. J. McCormick Rubber Co., Inc.

Manufacturing for Dental

OM Cormick's



REG.U.S. PAT. OFF.

E. J. McCormick Rubber Co., Inc. Ridgefield Park, N. J.

Please send me 1/2 lb. size KORMIX at your special price of \$3.00.

Specify Shade:

3...... 5.......

Check Enclosed is \$3.00 ...
one: Charge my dealer ...

NAME.....

CITY STATE

DEALER

ADDRESS.....



GRAY-TONES

for ACCURATE INTERPRETATION!

RINN X-RAY FILM

The Roentgen Ray penetrates and discloses a great many abnormal oral conditions. But its findings must be PER-FECTLY RECORDED to be useful! Rinn Films supply that very com-

> plete range of tone values . . . that full "gray scale" . . . which assures full detail and records the conditions accurately. For Reliable Radiographs it's

RINN . . the country over!

I

RINN

X-RAY PRODUCTS

3035 Fullerton Avenue

Chicago 47

AIR and WATER ON YOUR HANDPIECE or CONTRA-ANGLE

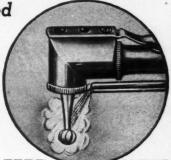
Selectively Controlled

PAGE CAVITY CONDITIONER

combines the two essential adjuncts for cavity preparation, (air and water) in a compact yet selectively controlled attachment that is simple to operate. It does not add appreciably to the weight nor interfere with the engine arm. The water is controlled by a slide on the contra-angle or handpiece and the air is controlled by a valve on the foot controller. Air and water can be used simultaneously or separately.

For Further Information See Your Dealer or Mail Coupon

on



THE R. W. PAGE CO. 313 King St., Chappaqua, N. Y.	
Please send information on PAGE CAVITY CONDITIONER.	
Dr	
Address	
Dealer	

4-	Unexcelled (CLARK repair	service	
ALL A	_		fully guar	anteed
Complete stock of Skilled workmansi fit reconditioned	Unexcelled C. CLARK parts. party Your old out- like new. Ask for an estimat ROS. DENTAL SERVICE	e can still supply n ing. Send	ew cuspidor was us your old con attach new tubi	te and supply tub- nections. We will ng. Prompt, guar- nteed service.
GLAZBROOK E	ROS. DENTAL SERVICE	E SHOP	-71	PART

Thermographed

Stock

BUSINESS CARDS

Finest Quality Parchment

1000

PROFESSIONAL **LETTERHEADS**

printed on Hammermill Bond

Samples on Request

JULES PRESS, 55 WEST 42ND ST., NEW YORK 18, N. Y.



WESGO Inlay Furnace

This type 12 furnace was specifically designed to provide dentists with a sturdy and compact instrument for the efficient wax elimination of inlays and small castings. Overall dimensions—8" wide by 9" high by 7" deep (not including pyrometer).

The Wesgo Inlay Furnace will fit the smallest laboratory. Efficient and economical.

> Send coupon for details

Western Gold and Platinum Works 589 Bryant St., San Francisco 7, Calif. Please send me literature concerning the Wesgo Inlay Furnace.

envelopes

Dr. Address

For The Perfect Matching Job



Natural tooth shades are easily and perfectly matched with Certified Enamel Improved.

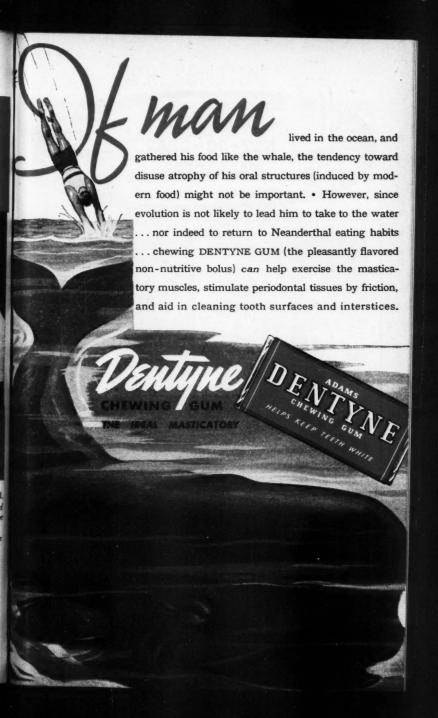
The Perfect Circle Blending Guide facilitates selection of the proper shade, and

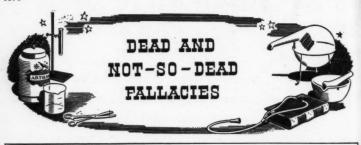
The Perfect Circle Blending Guide facilitates selection of the proper shade, and the shade you select is the shade you get. Simple blending instructions appear on the metal tab of the guide tooth if the shade is not furnished in prepared form.

Tooth-matching need not be a problem for you. Phone your dealer today and order your Certified Enamel All Shade Pak.

LEE S. SMITH & SON MFG. CO., PITTSBURGH 8, PENNA.









snake bites were often treated with copious swigs of whiskey which old-timers thought to be a cure. Probably this "cure" hastened many deaths because the alcohol increased the rapidity with which the poison was absorbed by the body.



A FALLACY commonly accepted as true today is that canned foods contain preservatives. Of course, the actual fact is that the processing of canned foods kills spoilage organism. And hermetic sealing of cans prevents contamination from outside.



AMERICAN CAN COMPANY

NEW YORK . CHICAGO . SAN FRANCISCO

You are cordially invited to visit our exhibit, A. M. A. Convention, San Francisco, July 1-5, Booth F 11

PRESENTING

a new concept in radiation therapy in one unit radiation that offers an ideal adjuvant in the treatment of post-operative pain as well as other important clinical indications!

helio-therm

- Today's progressive dentist now has at his command a source of super-solar healing energy in a compact unit for the administration of radiation therapy in many clinical indications presented in everyday practice.
- Relio-theuts radiation therapy is being favorably reported in the adjuvant treatment of Vincent's Infection, pericementitis, Cellulitis, acute, sub-acute, and chronic infections.
- Its therapeutic value in the treatment of post-operative pain and "dry socket" is being markedly demonstrated.
- Why not request detailed information from your regular dealer? You will find it well worth your investigation . . . Or write direct to:



(HELIO-THERM Therapeutic Unit, Orificial Model H. Equipped with type "A" fused quartz applicator. Complete with carrying case.)

THERAPEUTIC EQUIPMENT DIVISION

AIRADIO

INCORPORATED - STAMFORD, CONNECTICU

PRODUCTS OF RESEARCH ... SKILL ... EXPERIENCE

CUTWELL BURS, TOO, ARE

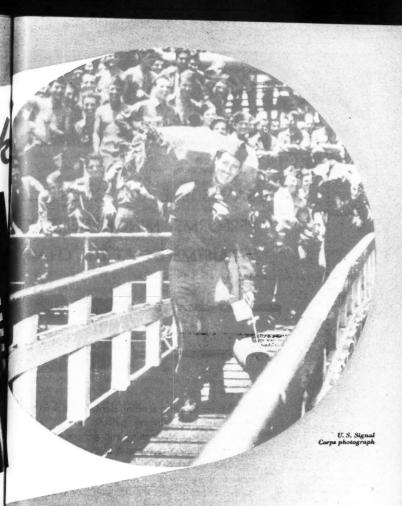
On the Way Back



Japer Shank DENSCO CUTWELLS

The self-centering, positive-seating principle of the Densco handpiece is given utmost effectiveness by the true-runing, feather-touch cutting action of Densco Cutwell taper shank burs.





While it will still be some time before supplies of Cutwell Burs are ample to meet all needs, dentists can be assured that their requirements will be met more and more adequately from now on. Not only that, but they can look forward to an even higher standard of cutting efficiency than that which earned for Cutwells their recognized leadership in professional acceptance in past years. 'Cutwell,' always will mean superior bur performance.

THE RANSOM & RANDOLPH COMPANY TOLEDO, OHIO

CO HAND-PIECE ARBOR CHUCK SET

SAVES TIME AND TROUBLE ... PERFORMS MINOR DENTURE ADJUSTMENTS AT THE CHAIR





Complete Set, 70c Two arbors, four rubber chucks, three each of No. 60 and 80 ¼-in. diameter bands and three each of No. 60 and 80 ½-

Separate Parts Box of 100 Bands Box of 100 Bands\$1.25 Box of 50 Bands .75c 4 Rubbers 25c Arbor. 1/4 or 3/8-in. 25c Use this set to avoid sending dentures back to the laboratory and bringing patients in for extra visits. Ideal for the dressing and general fitting of clasps in all metals, dentures, lingual bar work, etc. The rubber that holds the bands acts as a cushion in grinding, adding flexibility that increases effectiveness. The tightening of the screw into the arbor expands the rubber chuck, thus strengthening the grip of the band. Bands can be

in, diameter slipped on or off the chuck in a few seconds.

THE J. BIRD

Give Your Order to Your Dealer's Salesman

1210-14 Vine St.

Philadelphia 7, Pa.

YES, WE CAN PROVE IT!

Once you personally use STIM-U-DENTS you will be immediately impressed with this effective, pleasant means of removing food particles, cleaning teeth surfaces and massaging gums, in the spaces between the teeth . . . and without injury to interproximal silicate fillings. The gum tissue seems to glow with health from their daily use.

And you will want your patients to likewise benefit through this aid to mouth cleanliness and prevention of bad breath due to food fermentation.



Magnified cross section showing porous, compressible structure.

But aside from this aid in oral hygiene, the widespread acceptance by dentists has found many specific applications for STIM-U-DENTS:

- THE TREATMENT OF VINCENT'S INFECTION AND OTHER GUM PATHOLOGY . .
- AFTER PROPHYLAXIS . . .
- FOR SOFT, SPONGY GUMS . . .
- **EXCESSIVE CALCULUS ACCUMULATION . . .**
- CLEANING TRAUMATIZED AREAS . . .

STIM-U-DENTS effectively supplement office treatment. They provide safe, stimulating massage and keep infected areas free from debris. They are gentle yet rigid enough to remove food particles from small crevices around abutments, etc. They help greatly in controlling the accumulation of calculus.

These are but a few of the specific uses about which dentists have written us. If you do not use STIM-U-DENTS ask for samples, or better still, order a Professional Courtesy Package today and adopt and recommend this healthful, home treatment. Your patients will be aroused to a new interest in their teeth and be prompted to visit you more frequently.



Keep Your Patients

STIM-U-DENTS

Stim - U - Dents also make excellent wedges in inlays and other procedures.

PROFESSIONAL COURTESY PACKAGE (This offer confined to members of the profession only.)

STIM-U-DENTS, INC. 54 Alfred St., Detroit 1, Mich.	DR.		
Enclosed find \$1.00. Send me Pro- fessional Courtesy Package, containing	STREET AND NO.	PLEASE PRINT	
100 Special Packets (like cut) designed exclusively for dentists.	CITY	STATE	
500 SPECIAL PACKETS (LIKE CUT) \$4.00 POSTPAID.	DRUGGIST'S		
25c RETAIL PACKAGE \$2.25 PER DOZEN POSTPAID.	ADDRESS		

Now Available FOR IMMEDIATE DELIVERY FROM STOCK

PAICE 542,50





NEY CLASP SURVEYOR

A BETTER TOOL THAN EVER BEFORE FOR BUILDING SUCCESSFUL PARTIALS

This newest Ney Surveyor is our best in a long line of surveying instruments developed over a period of more than 25 years of research in the field of partial denture design and construction. Its operation is very similar to earlier models except that a vertical marking carbon has replaced the horizontal style. There is nothing basically different to be learned if you are already familiar with the Ney Surveyor System. If you are not,—you will find new convenience, new ease of operation, new versatility in a surveying instrument to solve that all-important problem of case analysis and design. The Ney Surveyor is a precision tool, manufactured to highest standards of quality in materials and construction.

THE NEY SURVEYOR SYSTEM OF SCIENTIFIC PARTIAL DENTURE TECHNIC

The Ney Surveyor plays a major part in this proved and successful system for the design of correctly engineered partial dentures. The system as a whole comprises the instrument and its standard accessories . . including the newly developed Ney Undercut Gauges . . . plus the basic technics of surveying, designing, waxing (using the Ney Waxing Die), casting and finishing the case. These informative technics are clearly presented in the Surveyor Book and the Partial Denture Book.

Ney Surveyors are available for immediate delivery from stock. Simply call your dealer and he will have this finest of all precision surveying instruments in your laboratory within the shortest possible time.



THE NEY SURVEYOR BOOK



WASTE RECEIVER

You Receive Extra-value Features

- Exclusive professional design
- Finish of unusual richness and depth. -baked-on, hand-rubbed and waxed
- Heavy polished steel construction
- Concave plastic cover permits quick, easy disposal of waste
- Convenient outside carrying handle
- Four rubber feet protect the floor or linoleum

Sanettes are sold by leading **Dental Supply Dealers**

MASTER METAL PRODUCTS, INC. 273-291 Chicago St. Buffalo 4, New York

BURS

Completely RE-GROUND



give same serv-

sort and select only those that can be reground to meet our exacting specifications, then we regrind to a smaller size (Example No. 33½ Inverted cone is reduced to No. 33). The same system is used on your burs as we used in regrinding burs for the U. S. Navy. So for smooth, fast cutting burs, Mail yours today. \$3.50 Per Gross (Introductory 4 doz. \$1.00).

HANDPIECES RE-BUILT

If you want a new handpiece at a fraction of its original cost send those old wabbly ones to us. We will remove all old parts, and start in with the empty housing, and rebuild it completely, all new parts lapped in Just like we dol for the U. S. Army. We unconditionally guarantee them to give new handpiece service. Straight handpieces \$9.00. Angles \$3.85.

MULLEN BROS, 153 West 69th St.



MAKE Demonstration MODELS from SURPLUS **PLASTER**

with COLUMBIA RUBBER DENTOFORM MOLDS



Better than sketches to explain cases to patients Instead of wasting surplus plaster pour it into the Mold. If not enough, add the next excess mix, first wetting the set plaster.

To make Models with Ivorine abutments, insert Prorine Teeth Into Mold before pouring.

Sets of Upper and Lower Molds Now Available No. R20—A set without 3rd molars\$5.00 No. R22—A set with 3rd molars\$5.00 No. R24—A set for deciduous models\$5.00 Ivorine Teeth, each

Send for 16-page Illustrated Price List.

COLUMBIA DENTOFORM CORP.

"The House of a Thousand Models" 131 East 23rd Street New York 10, N. Y.

ASK ANY 10 USERS

The best proof of the value of any dental product is to be found in the experience of its users. What the user tells you is uncolored by sales enthusiasm. It is based upon



the product's practical performance. It is advice from one dentist to another given in an unselfish spirit of helpfulness.

When we tell a prospective gas machine buyer to learn about the Nargraf from Nargraf users, we are following an old sales policy that has built Nargraf sales. Almost thirty-five years experience has taught us what the dentist wants for ideal nitrous oxide administration. The Nargraf is, in effect, designed by dentists, themselves. That is why we say—know the Nargraf and the Nargraf will be your choice of a gas machine.



FLNK

Simple Quick
Dependable R

IN DAILY USE BY THOUSANDS OF DENTISTS COAST TO COAST

Contains No Solvent

The only Acrylic Liner in Sheet Form, Fink Liner contains no solvent · Will not warp plate · Non-Toxic · Non-Burning · Tasteless · Odorless · Becomes integral part of denture · Permanent Shelf Life · Easy as 1-2-3 · Requires no cellophane · No mixing · No processing. Delicate transparent pink hardens in mouth to clear transparent filmblends with any color denture. Satisfaction guaranteed.

TRY FINK LINER AT OUR RISK

with the privilege of returning unused portion for full refund if not satisfied.

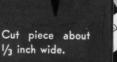
Enough Fink Liner to line over 30 dentures this new, handier, \$800 more economical way, only...

LIRER

iner

SHEET FORM

PATENTED





Remove wrapper.

> Place on denture. Insert in mouth. Dismiss patient.

1/3 inch wide.

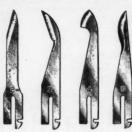




PLASTODENT, Inc., 1310 Jerome Ave., N.

STODENT, ING. 1310 Jerome Ave., New York 52





HU-FRIEDY

Interchangeable

OPERATING KNIVES

(Suggested by Dr. Hillel M. Feldman)

A convenient and efficient set of knives which we take great pride in recommending to the profession. The blades, which have been designed by den-

have been designed by dentists, are easily attached and detached and can be resharpened; thus assuring long life. The set consists of five blades and one handle in convenient leather case.

Special Announcement Extracting Forceps

The following numbers of forceps are now available: 18R-L-217-151A-103-150A-in stainless steel; Ronguers 5C-6-11-1-in stainless steel and chrome.

Loughry Binocular Loupes

Obtainable Through Your Dealer

HU-FRIEDY MANUFACTURING CO.

3118 No. Rockwell St. CHICAGO 18, ILL.



Have you tried IMPROVED BITE-WING TABS? . . . your dealer has them

Why not disclose all the cavities? It's easy . . . it's economical when you use Improved Bite-Wing Tabs. They are available.

Box of 100 (as illustrated) only \$1.00. Your dealer has them. Send your order now.

PITTSBURGH SPECIALTY CO.

524 Federal St. Pittsburgh 12, Pa.



2 New Aids

IMPROVED MOUTH CARE

1. PLASTO-PIX

A new break - proof plastic toothpick especially designed for effective stimulation and cleansing of interproximal tissue.



Packed in permanent and attractive match-book transparent carrying case.



0.

a.

LACTONA Tooth-Tip

Easy to grip, plastic handle holds replaceable tip. An efficient instrument for patient home care.

Coupon for Professional Samples

LACTONA INCORPORATED - SAINT PAUL I, MINNESOTA

Your Preference

1	Send	free	sample	LACTONA	PLASTO-PIX
-	00110	1100	Sumple	F 1010141	1 1 1310-1

Send information on trial offer at special prices for LACTONA PLASTO-PIX and LACTONA Tooth-Tip STIMULATOR.

DOCTOR.

ADDRESS.

CITY_

End Now LENKO RESEARC **Under Simp**

with JELENKO



- Exhausts air from investment in a few seconds.
- Assures castings of high surface smoothness, perfect detail, free from fins and nodules.
- Quick, positive action.
- Provides a high (29 in.) vacuum in a few seconds.

110 Volts AC or DC

WAX ELIMINATION with JELENKO **ELECTRIC INLAY FURNACE**

with Pyrometer



- Prevents overheating flasks.
- 3 Heating Rates give any temperature up to 1600° F. Meet requirements of High Heat, Low Heat and Slow Burnout Technics.
- Muffle Holds I to 4 Inlay Rings # I Medium Sized Flask.

110-120 Volt AC or DC.

.

SOLD BY BETTER DEALERS — USED BY BETTER LABORATORIES USED BY EVERYWHERE.



THESE four scientific appliances are essential equipment in modern dental casting. They assure uniformly and consistently better castings by substituting positive scientifi controls for the human element and "guess in conventional rule-of-thumb methods.

J. F. JELENKO & CO., IN Manufacturers of Dental Golds and Specials

136 West 52nd Street New York 19, U. S.

as Put Every

MELTING and CASTING

with JELENKO THERMOTROL





- Casts each gold at its Critical Casting Temperature.
- Produces dense, strong, resilient cast-
- Electric Melting avoids oxidation; minimizes pitting and porosity. High Speed Casting reproduces every
- detail of the mold.

ture

ts of

lurn-

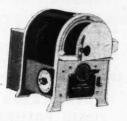
5 0

110-120 Volts AC or DC

These appliances fit into your present technics. Anyone who can read can operate them. Their automatic controls eliminate the need for knowledge and experience.

SEND FOR LITERATURE AND PRICES

with JELENKO ELECTRIC HEAT TREATING and WAX ELIMINATING FURNACE



- Automatic Time and Temperature con-
- Can't overheat. Maximum temperature
- Insulated to cool out from 840° F. to 480° F. in 15 min. in tempering phase.
- 4½" x 4½" x 3" muffle holds several cases for heat treatment.
- For Wax Elimination holds 6 to 9 inlay rings or 2 medium flasks or 1 large flask.

110-120 Volts AC or DC

J. F. Jelenko & Co., Inc. 136 W. 52nd St., New York 19, N.Y.

Please send me descriptive and technical literature and prices on —

☐ Vacutrol; ☐ Jelenko Electric Inlay Fur-nace; ☐ Thermotrol; ☐ Jelenko Electric Heat Treating Furnace.

Dr.

Street_

City & Zone_

PLEASE PRINT

Controlled lip action, without collapse of cup



PRECISION BUILT DENTICATOR ANGLE HANDPIECE

for exclusive use of

DENTICATOR RIBBED POLISHER

Cross section view reveals the four reinforcing ribs, which control lip action, without collapse of cup—an exclusive feature. Action picture above shows how lip does its work under the gum line.





Ask your dealer for special combination offers on Denticator Angle Handpiece with supply of polishers. Saves you money.

24-hour handpiece repair service

THE DENTICATOR CO.

1055 Mission St., San Francisco 1, Calif.

Manufacturers • Distributors • Exporters
Prophylactic Destal Specialies



LANG

ELASTIC IMPRESSION POWDER

ACCURACY

Stone or Plaster models poured into Lang Elastic Impressions are clean cut, showing every fine detail, and ACCURATE. As many models may be poured into same impression as desired, WITHOUT CHANGE IN IMPRESSION.

WORKING TIME

Lots of working time is available for correct mixing, packing into tray, and transferring to patient's mouth.

ELASTICITY AND TOUGHNESS

Lang Elastic Impressions have an elastic stretch equal to 25% of length, and high degree of toughness, to eliminate danger of cracks or tears when removed from deep undercuts.

WI

100 lab

col

ECONOMY

There are 18 FULL UNITS in a box. The powder is measured, not weighed. There are 60 cubic centimeters of powder in each unit; mixed with 50 ccs of water. This volume is sufficient to pack large upper trays, for full mouth impressions.

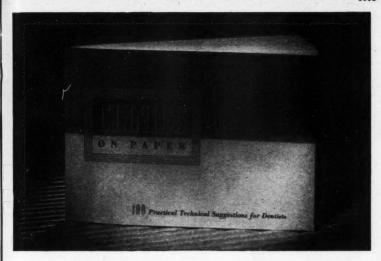
Priced @ \$4.50 per box, of 18 FULL UNITS. 3 boxes @ \$12.75.

Sold Only by Authorized Dealers.

LANG DENTAL
MANUFACTURING CO.
828 MONTROSE AVENUE
CHICAGO 13, ILL.

Other Lang Products:
White Beauty Alloy.
Lang Dental Crown, Bridge & Inlay Cement.
Lang Acrylic Denture Material (All Certified to
A.D.A.)

Lang Everlasting Reliner.



Three Thousand Dentists Have Purchased Copies . . .

100 EASIER WAYS . . . AT THE CHAIR, IN THE LABORATORY

WHAT IT IS: Clinics on Paper is a 64-page booklet printed in two colors. It presents 100 practical methods . . . 100 easier ways to do things, at the chair and in your laboratory.

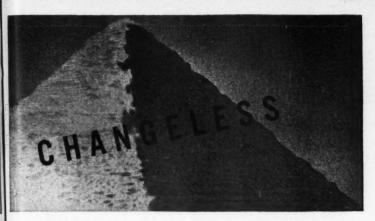
Each suggestion is skillfully illustrated. The booklet is carefully indexed and colored tabs designate various subjects.

Join the 3000 dentists who are now using this booklet every day. The cost is only \$1.00 to regular *Dental Digest* subscribers. It is also available to new subscribers as outlined in coupon. *Order your copy today*.

SAVE
COUNTLESS
PRECIOUS
MINUTES

The Dental Digest	
1005 Liberty Avenue, Pittsburgh 22, Pa.	
☐ Here is \$1.00 for a copy of the new book Clinics on Pa I am a regular subscriber.	PER.
☐ I am not a subscriber. Please enter my subscription to Dental Digest for eight months and send CLINICS on Para special \$2.50 combination price,	
Dr	
Address	
Deeler	





ucitone, too, is changeless. The dimensions of partials or complete dentures made with this scientifically correct resin are permanently stable in the mouth.

In addition, Lucitone offers still another permanent feature ... permanent lifelike color. Lucitone's color is so natural, blends so perfectly with individual tissues, as to be undetectable in the mouth. Lucitone restorations never replace natural coloration with some arbitrary shade. Instead, they let the patient's natural tissue color show through . . . and become an intrinsic part of the denture.

To the patient, Lucitone's permanent stability and perfect, undetectable coloration mean lasting comfort and complete satisfaction.



The facts about Minimax Alloy

No. 28 of a series of advertisements prepared to acquaint Dentists with the whys and wherefores of this extremely useful material.



Minimax Alloy is proud

of its



Boys and girls throughout the land are completing another school year . . . getting their "report cards" . . . In the "passing class" at every school there is a wide range of abilities. All of the pupils can't be considered of equal scholastic ability. One always stands at the top.

Similarly, all alloys certified to comply with A.D.A. Specifications #1 cannot be considered of equal grade. Impartial tests by alloy-wise critics show that MINIMAX ALLOY NO. 178 is

outstanding. Why? Because Minimax Alloy not only complies with all alloy specifications under carefully controlled testing procedures, but also meets all requirements in the hands of dentists making fillings with their preferred, every day office technics.

Minimax Alloy is fabricated to meet all requirements when the cavity is large or small, easily accessible or difficult to get at. In your hands it produces long lasting successful fillings. You'll be proud too, of the restorations you make with this definitely superior filling material. Always say, "Minimax" when you buy alloy.



The MINIMAX Co. 185 North Wabash Bldg., Chicago 1, III.

In 5 oz. BOTTLES In 1 oz. BOTTLES 5 ozs. . . \$1.70 per oz. 1 oz. . . \$1.80

10 ozs... 1.60 per oz. 5 ozs... 1.75 per oz. 20 ozs... 1.55 per oz. 10 ozs... 1.65 per oz. Prices subject to change without notice

Complies with A.D.A. Specifications. No. 1 Filings suitable for alloy-mercury gauges.

For best results mortars and pestles should be occasionally resurfaced. Over long periods, they wear smooth... become inefficient. As a convenience Minimax provides FREE with every bottle a handy envelope of Abrasive Resurfacing Powder.

AKES IFF OLLS BSOLETE

BROFLEX

Bleam Sterilized

FLEX.IR)

A cotton roll so flexible that a single long piece can be used for operat ing on lowers. Saliva travels the length of this long reservoir. The one piece lasts as long as several short pieces.

Illustration shows the proper use of VIBROFLEX for operating on lowers.



- MORE CONVENIENT FOR DOCTOR
- MORE COMFORTABLE FOR PATIENT REDUCES POSSIBILITY OF SPOILED FILLINGS
 - GIVES MORE ROOM IN MOUTH FOR DENTIST TO WORK

All Vibroflex Is Steamed at 250° F. for 30 Minutes After Packaging

\$1.95 for 6 bags (1080 inches)

ORDER THROUGH YOUR DEALER

If your dealer cannot supply you, send 10c in coin or stamps (to cover partial cost of mailing), and you will receive a generous sample package.

BRO DENTAL PRODUCTS, INC. . PHILADELPHIA 7, PA.



astle Matched Illumination elimi- When you combine the "G-V" and the damaging eye-strain.

light for the office corners.

famous for its adequate, cool, color-corrected light for precise intra-oral seeing.

nates the lighting contrasts that meen "T-V" you get Castle Matched Illumination . . . for unmatched quality vision in The Castle "G-V" (General Vision) Light day-time or night-time work. For further provides the correct glareless light inside details, write: Wilmot Castle Company, the vital, six-foot working area, plus extra 1122 University Avenue, Rochester 7, New York.

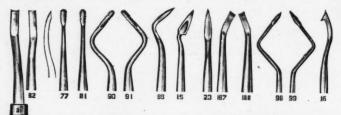
Castle STERILIZERS



An old story to you now, but always a new thrill to your patients . . .

Porcelain Biting Edges

Use Steele's P.B.E. (Porcelain Biting Edge) facings for best esthetics — and always with Steele's P.B.E. backings.



THE WONDER SET OF ELEVATORS

Before you extract another tooth ask for information on the WONDER Set of Elevators consisting of sixteen elevators, 6 Pair Right and Left and 4 universal. The WONDER Elevator designs are founded upon a basic principle accepted universally by the dental profession. There is no confusion with the WONDER Set as the method of application is comprehensible and the results conclusive.

Price for the complete set, sixteen instruments-\$65.00.

Write for our 1946 catalog illustrating Wonder Elevators and other scientific products. Also be sure to observe our demonstration of Wonder Elevators at Dental Conventions throughout the country.

FRIEDMAN SPECIALTY COMPANY 7 So. Dearborn St., Chicago 3, Ill.







Snaps on protective mandrel, Saves your regulation handpiece from wear



Patented heavy rib construction prevents collapse of cup, so that lip works effectively under the free margin of gums, without injury. (See Cut.) Only the Denticator Polisher gives you this exclusive feature. Order an economical package from your dealer, today. You'll experience a new thrill in cleaning and polishing teeth—quickly, safely, efficiently.

START TODAY-THE DENTICATOR WAY

Write us direct for free sample unit; cup and mandrel.

THE DENTICATOR CO., 1055 MISSION ST., SAN FRANCISCO 1

Manufacturers • Distributors • Exporters
Prophylactic Dental Specialties

FOR YOUR BETTER CASES'... YOU CAN NOW PROVIDE A Really Superior Service Denture Service

Visualize what it would mean to you in terms of professional preferment to be able to provide a quality of denture service far beyond present-day standards in all of the attributes which make for both immediate and lasting patient-satisfaction.

You know of the physiological and sanitary advantages of the metal-base denture. You know that it has always been regarded by the profession as the *ne plus ultra* in denture construction with the sole exception of the difficulty of attaining satisfactory adaptation.

Now, through the development of modern precision casting processes and a fundamental departure from traditional practice in metal-base construction, these shortcomings have not only been

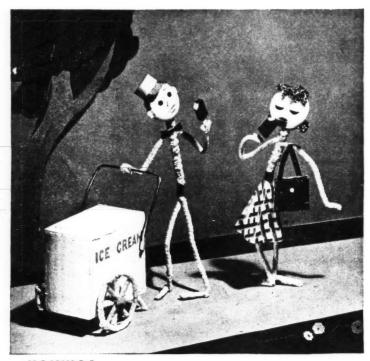
overcome, but perfection of adaptation—and hence permanence of retention—made the outstanding advantage of this type of denture.

Learn more about this epochal advancement in denture construction. Be among the first to make it available to those discriminating patients who want and expect the highest type of denture service.

The Dresch Laboratories Company
335 Superior Street • Toledo 1, Ohio



SEI	ND FOR THE BOOK	LET-AND DECIDE		
DRESCH				
Please sen	d booklet "THE MET	AL-BASE DENTURE"		300
Dr			*****************************	
Street Add	dress		*******************************	
City and S	State			



KOLYNOS



GOOD, TOO!



Entertain your child patients with "Kolynos Kids:" They're easy to make—send for free folder.

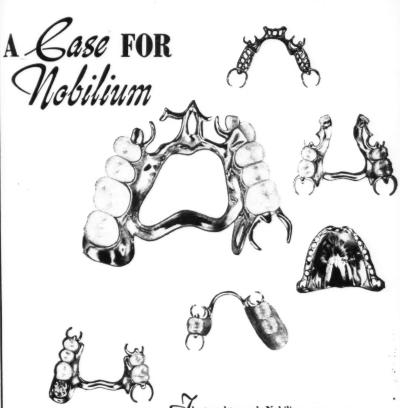
KOLYNOS

Yes...the lingering effect of Kolynos' cool, tangy, refreshing taste is a delightful—and important—adjunct to its time-tested efficacy in cleaning teeth. Whether the patient prefers paste or powder, Kolynos imparts real pleasure to the daily chore of brushing the teeth.

In recommending it, you can be confident that it will do a thorough cleansing job safely and quickly.

A Product of the

WHITEHALL PHARMACAL COMPANY, 22 E. 40th STREET, NEW YORK 16, N. Y.



he trend towards Nobilium... as exemplified by the constantly increasing number of Dentists who prescribe this outstanding chromium-cobalt alloy... is a natural and logical result of many physical and aesthetic qualities.

In addition to great strength which assures enduring service, low specific gravity which provides lightweight and comfort, hardness that is practically self-cleansing and a mirror-like lustre that never dims there are two distinct advantages that make it advisable for you to prescribe Nobilium: (1) Clasp Adjustability and (2) Ease of welding.

When it becomes desirable or necessary to adjust a clasp for a patient... you can bend Nobilium to any position you wish without the slightest fear of breakage. And when it becomes expedient to add a clasp to lengthen the service life of a partial or to weld a case for any reason at all, you can make the addition to Nobilium without a line of demarcation.

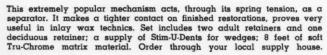
For all practical cases, specify Nobilium to your laboratory.

Mobilium PRODUCTS, INC., PHILADELPHIA • CHICAGO

2 Tools in 1-in Tru-Chrome!

The McKean Master Separator & Matrix Retainer

- 1. Allows perfect separation
- 2. Retains the matrix



Complete set, \$4.50



Rocky Mountain Metal Products Co.

1450 Galapago St.

Box 1887, Denver 1, Colo.

Pacific Coast Distributor:

Karl A. Kreis, Flood Bldg., San Francisco, Cal.

Thank you, members of the dental profession, for the great response for the products mentioned below. Orders from nearly every State in the Union and three foreign countries have been received. Many doctors have reordered and sent very gratifying letters. Reports say that cases of Athlete's Foot and other obscure skin abnormalities have quickly cleared up. No mention of any condition except procaine dermatitis was published. Fowler's Compounds will remain ethical. Any public dentand must come from professional advice. Due to the demand and lowered manufacturing cost, the price of Compound No. 1 has been reduced to \$1.00 starting this month, May 1946.

Yours sincerely

ERNEST FOWLER, D.M.D.

FOWLER'S COMPOUNDS

(TWO FORMULAS)

Number 1.

For the treatment of

PROCAINE DERMATITIS

Which is a very difficult condition to overcome. It takes time to produce it, due to gradual absorption and according to susceptibility to procaine. It also takes time to remedy and then prevent its recurrence. Price \$1.00.

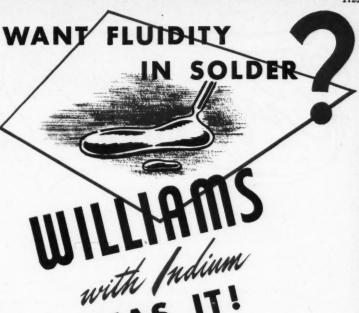
Number 2.
For the care of

ROUGH AND DRY HANDS

This formula is a delicately scented, emollient compound which also makes a splendid over night facial cream, as it is slowly absorbed. It should be used in conjunction with compound No. 1 by those afflicted with dermatitis. Price 50c.

These compounds may now be ordered separately, but not less than a \$1.00 order. Until sufficient quantities are available and National distribution is obtained, one jar of No. 1 and two jars of No. 2 will be mailed post paid and tax paid upon receipt of \$2.00.

Ernest Fowler, D.M.D., Box 5343, Metro Station, Los Angeles 55, Calif.



RESEARCH ASSERTS_

the only function of a "flux" is to prevent oxidation. Flowing properties must be contained in the solder itself. Williams Gold Solders with Indium have these properties!



The rapid acceptance of the new Williams Gold Solders with Indium signals an important forward step in dental soldering technic. The basic reason resides in the exceptional fluidity (or flowability) imparted by Indium to these solders. Less heat is required to solder, yet areas are united with greater bonding strength-have exceptional resistance to fracture and discoloration. By all means, test Williams Gold Solders soon - using your regular technic. All standard finenesses and shades. Stocked

GOLD REFINING CO., INC.

FORT ERIE N., ONT. HAVANA, CUBA

by your dealer.



In the field of dental laboratory craftsmanship, certain laboratories place an indefinable stamp on the restorations they produce.

This mark of distinction—evident in excellent function and superb esthetics—is setting the pace in oral prosthetics.

We at Standard Dental Laboratories know that it is this craftsmanship that counts. We do our utmost to place the stamp of distinction on the restorations you entrust to us.

You can continue to look to Standard for a policy of pacemaking craftsmanship.

STANDARD

Dental Laboratories of Chicago 225 N. Wabash Ave. DEArborn 6721 Chicago

DIAMOND INSTRUMENTS FOR THE EXACTING DENTIST



Clear Lucite Case 7½" x 2½" x 2½" x 2½"

Free with 4 or more tools.
Holds 5 to 55 instruments with ease.

*and Ex-Service Men - A New Idea!

We want to make it immediately possible for every practicing dentist and every young man entering the profession to have as complete an assortment of Diamond Instruments as older, long-established dentists. DIAMOND "R" INSTRUMENTS are as fine tools as you can buy. Sold on unconditional money-back guarantee of satisfaction. Made in all standard sizes and special shapes to order. Write for our Special Offer. Service Men—it will pay you—many times over. Ask for catalog.

DIAMOND ® AGENCIES

136 W. Union St., Pasadena 1, Calif., U. S. A.

Still Available

COGSWELL'S

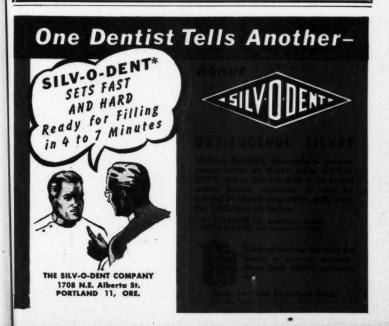
"DENTAL ORAL SURGERY"

A text book for the general practitioner . . . and for the man who specializes.

Price, \$10

Through your dealer, or direct

THE DENTAL DIGEST 1005 Liberty Ave. Pittsburgh 22, Pa.

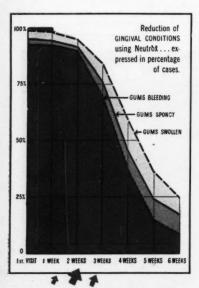


GINGIVAL

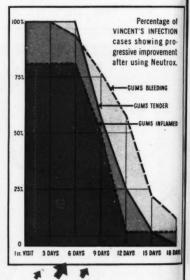
Clinical Tests PROVE That Neutrox Helps Control Gingivitis and Vincent's Infection

CLINICAL surveys by independent dental authorities indicate that gingivitis and acute Vincent's infection can be controlled by the use of Neutrox as an oral rinse . . . and eradicated by office treatment and home use of Neutrox.

For home use, severe cases were told to brush teeth with Neutrox, and massage their gums with a thin Neutrox paste twice a day. Then rinse. Other cases were advised to use Neutrox as an oral rinse. No other medication was used.



Most cases of gingivitis can be cured or checked by prophylactic treatment and daily home use of Neutrox. Note how quickly swollen, spongy, bleeding gums (prominent gingival symptoms) respond to Neutrox treatment ... even by the third week!



Even with patients who had tender, bleeding gums, there was rapid improvement after the second or third day of Neutrox treatment. About 60% of Vincent's case had recovered by the second visit; 80% by the third visit; and over 90% by the fourth.

CONDITIONS

NEUTROX Gives 3.7 Times More Oxygen
Than Sodium Perborate in a Practically Neutral Solution...

WITH NO DANGER OF ALKALI BURNS!



Now... for the *first* time... Neutrox offers you an effective oxygen-releasing dentifrice you can recommend with *complete safety* for your patients' daily home use.

Used as a dentifrice, Neutrox releases 3.7 times more active oxygen than sodium perborate U.S.P. In addition, the exclusive Neutrox formula offers more advantages than ordinary perborate, without the disadvantages! Clinical tests prove Neutrox has no harmful alkalinity . . . no alkali burn!

AS A DENTIFRICE

Abundant active oxygen – plus safe and effective polishing agents – makes Neutrox an ideal daily dentifrice. You and your patients will definitely see gingival tone improve . . . see definite bleaching action on surface stains . . . see how cleaning brings out tooth lustre . . . and see how Neutrox helps to destroy harmful putrefaction.



AS AN ORAL RINSE

Neutrox is an effective and valuable adjunct to office treatment:
(1) when tissues are disposed to Vincent's infection or Gingivitis;
(2) for active cases, and
(3) after recovery has been effected. The stimulating action of its nascent oxygen increases local blood supply...improves tissue tone...helps resist anaerobic infection and maintain normal, healthy gum conditions.

AS A TOPICAL APPLICATION FOR OFFICE TREATMENT

When applied as a paste for treating Vincent's infection and related conditions, Neutrox gives 10 to 12 times more oxygen than sodium perborate. It brings quicker, better results:.. without harmful alkalinity.

Neutrox is advertised only to the Dental Profession.

For information regarding the Neutrox prescription plan, write:

DENTAL PRODUCTS DIVISION, VICK CHEMICAL COMPANY 122 EAST 42ND STREET, NEW YORK 17, N. Y.





Now Under The Management Of WILLIAM GETZ

as

President

Assuring you of maintenance of quality and prompt service on all your needs through your regular dealer source of supplies.

TRUPLASTIC . SURGICAL DRESSING . ANAESTHETIC

MODELLING COMPOUND (Red & Black) (Pink, Brown & Black)

INVESTMENTS BITE WAX

STONE IMPRESSION TRAYS
INLAY WAX BOXING WAX
BASE PLATE WAX



DENTAL products COMPANY

7512 GREENWOOD AVE . CHICAGO 19, U.S.A. . phone TRIANGLE 5427



Patients who fully understand the precautions involved in correct dental plate hygiene will, in the long run, be better satisfied patients.

The Pro-phy-lac-tic dental plate brush contributes importantly to the practice of such hygiene. Designed to specifications laid down by a committee of the profession, this brush enables the user to get at all surfaces of the plate and into

the crevices where food particles most frequently lodge.

The tuft at the end of the handle facilitates the cleaning of clasps and other attachments without bending or otherwise damaging them.

In the making of a dental plate brush, even as in the making of a denture, experience counts. And Pro-phy-lac-tic has had 70 years' experience in the field of dental hygiene.

PRO-PHY-LAC-TIC BRUSH COMPANY, Florence, Mass.

THE GETZ-400 LINE

Announces



This New and Different ELASTIC IMPRESSION POWDER

for

PARTIALS, FULL DENTURES and INDIRECT INLAYS

Accurate Reproductions . . . Registers and holds the finest details.

No Fixing Solution. No capsule or retardent to dissolve. Just mix as it comes from the package. Simply rinse the impression and pour the model.

No Distortion. Finished impression has an unequalled extra heavy firm and tough body that eliminates chance of distortion.

Long Shelf Life. Packaged in moisture-proof aluminum coated envelope to keep contents in perfect condition regardless of time.

More Material Per Package. Each full unit contains sufficient to take care of oversize mouth impressions. This means lower cost to you.

oversize mouth impressions. This means lower cost to you.

Half-Portion Units Too. The GETZ box contains 10 full units and 4 half-units

. . . eliminating waste of material on small impressions.

Perfect for Duplicating Models
3 Boxes, \$3.75 ea.

Like all other guaranteed GETZ-400 products, you may use this powder on several applications with the privilege of returning unused portion for full credit refund.



COTTON ROLLS

These improved cotton rolls are a delight to the efficient dentist and are not harsh to the patient's mouth. They are actually **spun** from 100% pure surgical absorbent cotton to make them softer, more pliant and non-collapsible. They adopt easily into any position, are stretchable and small tufts are quickly detachable.

Santa Co.	DENTAL	ABSORBENTS	co
	P	alms Station	
1200	Holly	wood, Californi	a
-			
1	G	entlemen -	
ample of "SU	Please send PER ABS	d me a free, gene ORBENT'' RO	LLS

DR.

STREET

CITY and STATE.....

DR. BUTLER BRUSHES

Natural Bristle

can now be supplied in the following textures:



Medium Bleached Hard Bleached Extra Hard

Bleached Hard Unbleached Black

Extra Hard Unbleached Black
Those members of the profession interested in natural bristle will be pleased to learn that this particular bristle is, in our opinion, the equal of pre-war bristle.

Make Your Own Comparison

Send 40c for two adult brushes then compare with other brushes!



SEND COUPON TODAY!

☐ Hard Unbleached	☐ Extra Hard
Black Extra Hard Un- bleached Black Dr.	Bleached
Address	

FORM...

plus SIZE ...

plus SHADE ...

plus ARRANGEMENT





A form for every face . . .

The 71 Trubyte New Hue Moulds are designed and classified for harmony of face and tooth form.

A size for every case . . .

Patented, precision methods of moulding produce standardized sizes for each Trubyte New Hue Form.

A shade for every complexion

You can match the natural teeth of patients of all ages and complexions with the 11 Trubyte New Hue Shades.

An arrangement for every esthetic and mechanical condition . . .

Porcelain mesial and distal contours make it possible to position Trubyte
New Hue Teeth for the best esthetic and functional results.

MAKE YOUR OWN-

INDIVIDUAL IMPRESSION TRAYS



YOU CAN NOW MAKE ANY TYPE TRAY YOURSELF: Easily . . . Quickly . . . No Special Equipment Needed

The Technic is this simple . . .



 Run plaster model of impression. Prepare mixture of TRAY-MIX. Spread it over model, and shape into tray.



 Cover the layer of TRAY-MIX on model, with plaster.



3. Cure in boiling water 15 minutes.



 Cool. Break away plaster. Remove tray. Finish excess. Tray is now ready to use.

di

N

DETAILED TECHNIC COPYRIGHTED 1946, U. S. COPYRIGHT OFFICE

TRAY-MIX . . . is an exclusive combination of methacrylic esters in powder and liquid form, possessing unusual adaptability and application for making individual impression trays . . . Completed trays will not distort, warp, or shrink . . . TRAY-MIX can also be used to make rigid BASE PLATES, and TEMPORARY IMMEDIATE PARTIAL DENTURES . . . This product of proven clinical performance is guaranteed to meet with your genuine satisfaction . . .

Only \$4.00 FOR COMPLETE KIT

SUFFICIENT FOR 20 TRAYS

Kit Contains: Powder, Liquid, Separator, and measuring device.

Available regularly in White, also obtainable in Pink.

CORALITE DENTAL PRODUCTS CO. 63 EAST ADAMS ST. CHICAGO 3, ILLINOIS

If a healthy mouth she'd woo Tell your patient to chew... and chew!



Young patients...and older ones, too ...often unconsciously neglect daily exercise of teeth and gums. Modern diet makes it so easy to forget the need for healthy chewing habits!

Here's where delicious, nutritious Nabisco Shredded Wheat comes in! Crunchy, yet tender...it's a pleasant way to get *functional chewing*. More fun because there's more flavor!

Help your patients to healthier habits...happier breakfasts...by suggesting Nabisco Shredded Wheat, the original Niagara Falls product!



NEW YORK UNIVERSITY COLLEGE OF DENTISTRY **ANNOUNCES**

POSTGRADUATE REFRESHER COURSE IN DENTISTRY

of a practical clinical character. FOUR WEEKS - DAILY 9 A.M. to 4 P.M.

BEGINNING JULY 1st AND AUGUST 1st FEE \$250.00

Further information address Director, Postgraduate Division New York University College of Dentistry New York 10, New York

Cut this out, for the new address of the LEECH GRIP VACUM CHAMBER METAL CO. 925 Monterey Blv'd, San Francisco 12, Calif.

Gives a LEECH GRIP—a beautiful finish, and is a positive ANTI-SKID, due to the dozens of vacum impressions it creates upon the hard palate. 6 VACUMS sent postpaid, upon receipt of \$1. Through your dealer if you prefer.



A new, completely anatomical cor-relating device for constructing pre-cision crown, bridge and partial restorations.

Correlator REG. U. S. PAT. OFF.

Literature on request.
Sold Through Dental Dealers Only.

IOHNSON-OGLESBY MANUFACTURING COMPANY, BOX 5022, DENVER 17, COLORADO



Permanent Records Are Important . . .

Do you have a permanent record of the mouth of each of your patients? This type of record is tremendously important, and easy to accomplish. Use the Ryan Treatment and Examination Chart as illustrated here. It is being widely used and is acclaimed the most practical chart for record purposes. Use it on one case . . . and you will want to use it on every case. The coupon is for your convenience.

1			 -	-	 -		-	-	-	
	- in	-								

The Der	ntal I	Digest			
		Ave., Pitte			
		.00 for a			Exam-
ination	and	Treatment	Record	Charts.	
Dr					

Address



The Winnah



Don't judge his hitting power by his size. He's the little fellow you can bank on to come through with a "KAYO" for your vacation worries and an "OKEH" for your better enjoyment of a well-earned holiday. He represents the cash value you have in your scrap bin . . . odds and ends of precious metal, filings and sweepings. Now is the time to get it all together and ship it to DEE (direct or through your dealer) for modern method reclamation and

CHECKS THAT SATISFY

AND PLANT 1900 W KINZIE ST DEE & CO.

AND SALES OFFICE SS E WASHINGTON ST 10c per word, initials and figures used each counting as one word. Please send remittance with your order.

WANT ADS

Restricted to help and positions wanted, and practices wanted, and practices for sale. The minimum charge is \$3.

FOR SALE: Combination home and dental offices with large practice over thirty years located in South Philadelphia. Dr. V. Angelucci, 738 South 10th Street, Philadelphia 47, Pa.

WANTED to purchase busy practice or partnership in California or West Virginia by expertenced operator. Prefer office with large denture practice. Experienced in Mucostatics and immediate dentures. "91" Oral Hygiene, Pittsburgh, Pa.

DENTAL TECHNICIANS: Here is your opportunity, A good reliable firm in Upper New York state has opportunities for several first class cast partial denture technicians. In applying, state experience, salary expected and give references. "92" Oral Hygiene, Pittsburgh, Pa.

OPPORTUNITY to associate with Boston practitioner. Available office with or without modest equipment and some practice of retiring associate dentist. Dr. Parkhurst, 29 Commonwealth Avenue, Boston 16, Mass.

FOR SALE: Fully equipped dental office (includcluding x-ray) in unopposed location; \$950 cash or terms. Am retiring. Doctor Abbott, Dalton, Nebr. Office with local M.D.

FOR SALE: Located in ward 18, Boston. Fully equipped office including x-ray and autoclave sterilizer. Active practice; fine location with low rent. Owner retiring. Fine opportunity for returned veteran. Finances arranged. "93" Oral Hygiene, Pittsburgh, Pa.

DENTIST WANTED: California license. Good opportunity and excellent salary. Office in Los Angeles. Must be reliable, sober and all around operator. State full qualifications. Permanent position. "94" Oral Rygiene, Pittsburgh, Pa.

DENTIST WANTED: Ohio license; sober and reliable. Can acquire one-half interest in high class practice. No investment required. "Ohio" Oral Hyglene, Pittsburgh, Pa.

WANTED: Dentist to take charge of wellestablished, well-located office in large Iowa city, on a partnership basis. Will expect top man with best recommendations. "95" Oral Hygiene, Pittsburgh, Pa.

FOR SALE: One chair, fair condition; one Weber unit, fair condition; one Ritter engine; good condition; one Fluorescent operating light, good condition; Price, \$350. Location; Dr. R. R. Buege, Marinette, Wisc.

WANTED: Dentist licensed in D. C., under 50; good character and personality. State age, experience and salary. "97" Oral Hygiene, Pittsburgh, Pa.

ESTABLISHED HIGH CLASS LABORATORY in Texas wants A-1 all-round technician from setup to crown and bridge work. Must have fine background to take charge of branch laboratory on commission basis. High monthly salary guaranteed. Also wanted A-1 setup technician packer for branch laboratory. Write full information in first letter, giving age, salary expected and experience. "98" Oral Hygiene, Pittsburgh, Pa.

WANTED A-1 gold technician for Texas laboratory. Must be tops to take charge of gold department. Write full information in first letter giving age, salary expected, type of gold wy you can do. "99" Oral Hygiene, Pittsburgh, Pa. FOR SALE: Okiahoma practice and equipment including Ritter chair, Weber Unit, sterilizer and full dental office laboratory. Overhead low; price—fifteen hundred dollars. Established fourteen years. "100" Oral Hyglene, Pittsburgh, Pa.

FOR SALE: General practice established forty years, also equipment which is not modern. Large territory without competition. Exceptional opening. For particulars contact Dr. J. A. Daniels, Sheibina, Mo.

WANTED GOLD TECHNICIAN: A leading international gold manufacturer has an unusual opportunity for a gold technician who is capable of producing all types of high-class gold restorations. Duties would, in addition to some technical procedure, consist largely of a research and educational nature under the guidance of existing well organized departments. The technician we are looking for should have a pleasing appearance and personality, be ambitious and not over forty years of age. To such a man there awaits a good income, and a bright, permanent future amidst pleasant associations and surroundings. Give complete details when making application and include photograph. "101" Oral Hygiene, Pitsburgh, Fa.

DENTIST WANTED: Virginia license. Hours, daily 9 A.M. to 5 P.M.; Saturday, 9 A.M. to 1 P.M. Thirty-nine hours per week, no night work or Sunday work. One hundred fifty dollars per week to start. Your privilege of commission and saiary or straight commission at any time you choose. Apply Dr. A. H. Goe, 222 East Broad Street, Richmond 19, Va.

DENTIST WANTED: Missouri license, for associate with right to buy later in luxurious two-chair office in town of about five thousand. Dr. E. G. Kesling, Dexter, Mo.

FOR SALE: Beautiful Colonial home and dental office combined; ten rooms beside office, large lot, two-car garage, Ritter equipment with x-ray, all in good repair. Best location on one of southern central New York's best towns. Large cash practice. Price, eighten thousand dollars; less than cost of home. Max N. Baxter, 425 Park Avenue, Waverly, N. Y.

FOR SALE: Denver, Colorado; modern residential dental office, established practice, including home and income apartment, Zone A. English style, landscaped, automatic gas vaposteam heat, double garage, accessible stores, schools, transportation. Completely furnished and equipped. "103" Oral Hygiene, Pittsburgh, Pa.

PRACTICE WANTED: Young Navy officer, recently discharged, desires to buy good location or become associated with good practice in Kansas City, eastern Kansas or western Missouri. "104" Oral Hygiene, Pittsburgh, Pa.

FOR SALE: Ritter chair, Heidbrink gas outfit, analgesia attachment, Ritter unit, cuspidor, Allen table, American cabinet, Victor X-ray, Castle sterilizing outfit, other equipment. "105" Oral Hygiene, Pittisburgh, Pa.

WANTED: Dentist with Nebraska license for well-established office. Give qualifications in first letter. "96" Oral Hygiene, Pittsburgh, Pa.

SELLING YOUR PRACTICE? Why not also use the classified columns of the Dental Students' Magazine. National circulation, 10,300 monthly. This includes over 5000 recent dental graduates (U.S.A. and overseas), balance; upper-class students who will be graduated at various periods within the next eighteen months. Rates, 82.55 for 50 words or less, 10c per word additional; check with order. Write, Dental Students' Magazine, 605 N. Michigan Ave., Chicago 11, Ill.



CO-RE-GA

PROFESSIONAL SAMPLES

FILLED TO THE TOP WITH DENTURE COMFORT Soft and cushiony but tenacious in its ability to hold dentures longer.

CO-RE-GA is known and universally recommended throughout the professional world.

The Perfect Adhesive for Dentures.

MAIL THIS COUPON
FOR YOUR SUPPLY
OF PROFESSIONAL

Please send free samples for patients

Dr. .

COREGA CHEMICAL COMPANY
208 St. Clair Avenue, N. W., Cleveland 13, Ohio

CO-RE-GA

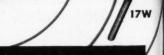
CO-RE-GA is not advertised to the public

COREGA CHEMICAL COMPANY

208 St. Clair Ave., N. W. Cleveland 13, Ohio

Look for

to be certain



Sectioned view of 3P Dramond Instrument.
Note SEVEN dramond grinding surfaces, Embadies shapes of wheel, endecutting, convex and concess instruments.

24T







the red dot ...!

the finest diamond instruments



There's no doubt about the superior quality of the diamond instrument you buy when it is identified by the "red dot" clearly marked on its shank.

The "red dot" is the hallmark of a Premier Diamond Instrument—it means there are more diamonds . . . more evenly distributed . . . more securely embedded than ordinary diamond tools.

These are the reasons for their superior efficiency and long life. They cut quickly, smoothly and with a minimum of heat generation.

Red Dot Diamond Instruments are available in all standard shapes. In addition, there is a Red Dot Diamond Hone for keeping operative instruments sharp and accurate; a Diamond Strip for efficient interproximal application; a Red Dot Wheel Dresser and three sizes of the multipurpose instrument shown on the opposite page.

The Red Dot is your guarantee of full protection against imperfections. The next time you order, be safe—specify Red Dot Diamond Instruments.

PREMIER DENTAL PRODUCTS CO., PHILADELPHIA 7, PA.
Distributors of Petralit and Astralit

*Write for literature on Premier Red Dot Diamond Specialties

ЗРМ

DIAMOND PREMIER INSTRUMENTS

Look for the red dot

When just a little



IN THE WATER YOU DRINK

In its relentless fight against deadly typhoid, Science discovered another historic example of just a very little making a highly significant difference:

difference:
As little as fifteen
one-hundredths of a
single part of chlorine
in a million gallons
of drinking water
was able to slash
the incidence of
typhoid as much as 89%!

makes a big difference

IN THE LOCAL ANESTHETIC YOU USE . . .

It has been but a few years ago
that too many operative procedures
too frequently posed time-consuming,
patient-distracting anesthetic
problems for the dentist.



But that was before Novocain-Pontocaine-

er

ons

Cobefrin . . . before Science discovered the truly noteworthy difference which a small amount* of Pontocaine in a standard 2% Novocain solution would so consistently make. Anesthesia of the indicated depth, duration and profundity essential for such cases was at last a reality — and without re-injection, without increasing vasoconstrictor content and without perceptibly decreasing patient toleration.

NOVOCAIN-PONTOCAINE-COBEFRIN

NOVOGAIN-PURPOSE IS Distinctive
The Difference is Distinctive

only fifteen one-hundredths (0.15) of one percent

Cobefrin, Novocain, Pontocaine are Reg. Trademarks Winthrop Chemical Company, Inc.



170 Varick Street, New York 13, N. Y. Laboratories: Wheeling, W. Va. & Springville, N. Y.

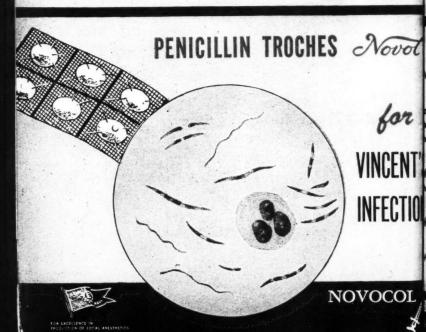
PENICILLIN Novol



(P-S CONES)







OR PATIENT PROTECTION

PENICILLIN Dental Cones with Sulfanilamide provide the dentist with a tractical, convenient method for local implantation of penicillin.

THE SULFANILAMIDE BINDER of the Penicillin Dental Cone with Sulfailamide (P-S Cone) retards the solubility of the tablet and releases penicilin in the local area for a number of hours.

P-S CONES provide an unusually effective treatment for dry socket, osteiis, osteomyelitis and soft tissue infections. The only instrument necessary for heir application is a pair of cotton pliers.

P-S CONES are available in 1000 unit concentration in boxes of 6 (\$1.25); ackages of 25 (\$4.00) and boxes of 100 (\$14.40). P-S Cones in 5000 unit oncentration are supplied only in boxes of 6 (\$3.50).

NOVOL PENICILLIN TROCHES are indicated for the treatment of fincent's Infection.

WHEN the patient presents with an acute Vincent's Infection, he is given a strip of 6 troches and is instructed to take one troche every two hours. The roche is allowed to dissolve slowly in the mouth, providing an adequate emporary saliva concentration which bathes the infected tissues.

AFTER the acute stage is under control, any scaling that is required may hen be done and the patient is given 6 more troches with instructions to ake one troche every two hours.

THE average case requires 12 troches but if infection is more persistent, he dose may safely be doubled or tripled.

NOVOL PENICILLIN TROCHES are supplied in boxes of 12 at \$1.50. With the purchase of 12 boxes of troches, one box is supplied no charge.

EMICAL MFG. CO., INC.

23 Atlantic Avenue, Brooklyn, N. Y.

nto . London . Buenos Aires . Rio de Ianeiro

ACRALI pro des



Certification Accepted by A. D. A.

LONGER WORKING TIME



Acralite denture acrylic is scientifically fabricated to afford longer working time for packing into the flask. It maintains its plasticity for a more extended period; thus many cases may be packed with a single mix.

You can depend upon the uniform character of Acralite denture acrylic — upon its strength, color stability and adaptability. It is made under rigid supervision and control and is certified to meet A.D.A. Specification No. 12. That's why hundreds of thousands of efficient and natural-looking Acralite dentures are in daily use — years after they were made! For Dentures of Distinction — Standardize on Acralite.

ACRALITE CO. INC. . 230 WEST 41st STREET . NEW YORK 18, N. Y.

WHO'S WHO AND WHERE

minute changes often alter page numbers and po- sitions,
Abbott Laboratories 1089 Acralite Co., Inc. 1148-49 Adamczyk, Andrew T. 1088 Aderer, Inc., Julius 982-83 Alradio, Inc. 1098 Adradio, Inc. 1097 Akme-Steele Mig. Co. The 1088 American Can Co. 1096 American Sterilizer Co. 1085 American Sterilizer Co. 1085 Angelica Jacket Co. 1065 Baker & Co. Inc. 1086-87 Bayer Co. 1063 Bendick Co. 1063 Bosworth Co., Harry J. 987 Bristol Laboratories 985, 1071, 3rd cover Bristol-Myers Co. 985, 1071, 3rd cover Buffalo Dental Mig. Co. 955 Butler Co., Dr. John O. 1133 Camel Cigarettes 988
Baker & Co. 1088-87 Bayer Co. 1063 Bendick Co. 1082 Besworth Co. 1082 Bristol Laboratories 1067 Bristol-Myers Co. .985, 1071, 3rd cover Buffalo Dental Mig. Co. 955 Buther Co., Dr. John O. 1133
Campho-Phenique 1079 Castle Company, Wilmot 1118 Castle Company, Wilmot 1118 Caulk Co., L. D. 1114-15 Chandler Record Systems 1086 Chayes Dental Instrument Corp. 1070 Chiego Wheel & Mfg. Co. 1070 Clark-Cleveland. 100. Clark-Cleveland. 10. Cleveland Dental Mfg. Co. 2nd cover Columbia Dentoform Corp. 1104 Columbia Dentoform Corp. 1104 Continental Chemical Co. 1133 Cook-Waite Laboratories. 10. 144-45 Coralite Dental Products Co. 1136 Coralite Dental Products Co. 1136 Coralite Dental Products Co. 1136 Coralite Dental Products Co. 114 Corrish Laboratories, Robert E. 1062 Cortaex Mfg. Co. 1046, 1050, 1051, 1078
Dental Absorbents Co. 1135
Ethical Brands, Inc. 1079 Fischer & Co., H. G. 1078 Flossy Denical Mirs. 1046 Forban Co. 988 Port Orange Chemical Co. 1099 Foster Denical Supplies, Ray 1070 Fowler Co., Inc. 1124 FR Corp. 1080 Friedman Specialty Co. 1129
Getz Co., William 1132 Glazbrook Bros. 1093 Gomeo Surgical Mig. Co. 1055 Graham Chemical Co. 1082
Hoffman-LaRoche, Inc. 956 Hoover Uniforms 1070 Hudson Products, Inc. 1048-49 Hu-Friedy Mfg. Co. 1108 Husband Dental Supply Co. 1062
Ideal Tooth, Inc
Jelenko & Co., Inc., J. F. 980, 1110-1111 Johnson & Johnson 963 Johnson-Cglesby Mfg. Co. 1138 Jules Press 1093 Justi & Son, Inc., H. D. 1023

INDEX

ADVERTISING

Kerr Dental Mfg. Co	
Lactona, Inc. Lang Dental Mfg. Co. Lauer Metal Shop Lavoris Company, The Leech Crip Vacum Chamber Metal Co.	1109 1112 1062 1088 1138
Masel Co., Isaac Master Metal Products Co. McCormick Rubber Co., E. J. McKesson Appliance Co. Medicone Co. Merrell Company, Wm. S. 1039, Mills Mig. Co., Kenneth Minimax Co. Mizzy, Inc. 1036-37, Mostow Co., The Moyer Co., J. Bird Mullen Bros.	1046 1104 1091 1105 962 1068 1078 1116 1108 1108 1100 1104
National Biscuit Co. New York University Ney Co., J. M. Nobilium Products, Inc. Nillium Products, Inc. Num Specialty Co. Num Nyko, Inc.	
Ohio Chemical & Mig. Co10	60-61
Page Co., R. W. Parker, White & Heyl, Inc. Petton & Crane Co., The Periodontal Specialties Co. Pettaburgh Specialty Co. Italian Special Speci	1079 1131 1081
Ransom & Randolph Co., The	98-99 968 1092 1152
Sharp & Dohme, Inc. Silvodent Company, The Smith & Son Mig. Co. Lee S. Spyco Smelting & Refining Co. Squibb & Sons, E. R. Standard Dental Laboratories Star Dental Mig. Co., Inc. Sterile Products Co. Sterile Co., Inc., I. Stim-U-Dents, Inc. Sylvan Co., The	1047 1127 1094 cover 1072 1126 70-71 973 1082 966 1101
Torit Mig. Co	1087
Union Broach Co., Inc	1074 1070 44-45
Van Patten Pharmaceutical Co.	975 60-61 1117 28-29
Weber Dental Mfg. Co. 9 9 9 9 9 9 9 9 9 9	76-77 1076 1093 58-59 1122 1077 1126 1118
Tours Deliter Mig. Co	1000

PRINTED IN U.S.A.

Specific

ESIGN

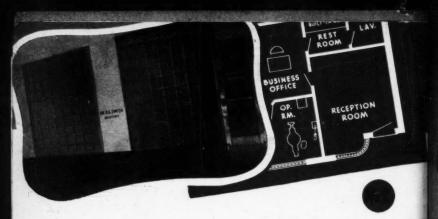
Research CLASP WIRES

Research Clasp Wires are specifically designed for dental use - assuring ease of manipulation, high fusion temperatures and maximum elasticity.

Clasps made of Research wires can be contoured without undue manipulation, can be soldered with safety and are highly resilient.

Write for detailed physical properties chart describing all Research Golds.

=PRECIOUS METALS= 230 WEST 41st ST., NEW YORK 18, N. Y. - WORKS, THE.



Will a Ground Floor Store Location Fit Your Practice?

As a returning veteran, you may have overlooked the possibility of renting space on the ground floor of a neighborhood building and remodeling it as a professional office. Many such locations are being used by other professional men and by proper planning you can easily provide enough space for future expansion as your practice grows. Your Ritter dealer will be glad to help you.

Investigate All Eight Types of Location

(shown in the Ritter Office Planning Book):

1. The residence-and-office combination. The ground floor location. 3. The 2-story building with offices for dentist and physician on one floor, and apartment on second floor. 4. The individual Bungalow Dental Studio. 5. The Professional Studio owned by a combination of dentists and physicians. 6. The grouped Bungalow Studios with open court connecting. 7. The office building suite. 8. The apartment house suite.



DELIVERIES ON EQUIPMENT: As a veteran, you get top priority on Ritter equipment. We have doubled our prewar labor force and are constantly increasing our production. Yet the overwhelming preference of veterans for Ritter equipment may cause some delay in your order. Ritter quality, preferred by the majority of dentists in America, is being maintained. Ritter Company, Inc., Ritter Park, Rochester 3, New York.



Write for your copy of "The Danger Years."



Oral Hygiene

CHICAGO
Midwinter Meeting
February 11-14

LEGISTALY 1040

In This Report

THE DESTINATION AND THE PROPERTY TOO

enfection



ALWAYS DEPENDABLE!

With the Perfection Casting Machine, casting becomes the simplest step in the production of any cast restoration from inlay to denture. The only additional equipment needed for large castings is a set of Akers flasks, Akers counterweight and extra large crucible.

Perfection Casting Machine \$25.00 Equipment for large castings 4.25



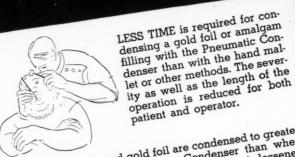
CLEV-DENT

EVELAND DENTAL MANUFACTURING CO.

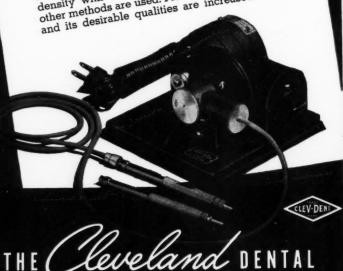
"Serving the Profession Since 1893"



In This Issue:
DENTISTS — MEET THE PEOPLE



Both amalgam and gold foil are condensed to greater density with the Pneumatic Condenser than when other methods are used. Flow of amalgam is lessened and its desirable qualities are increased.



AND, OHIO

EASTER 1. Are dentists more likely than the general population to develop the following ** Flat feet

** Flat feet

** Fixed feet

** Fixed feet

** Skin aus disease

** Neurocirculatory dise a. Eyestrain
b. Upper respiratory in
fections
c. Slilicosis or other lung
liseases a. Eyestrain d. Heart disease d. Heart disease tists?
a. Shorter Working hours 3. I have practiced dentistry for years. tists?

APRIL 1946

Iral Hygiene

In This Issue: OCCUPATIONAL DISEASES AMONG DENTISTS



ACCURATE, TRUE-RUNNING RESISTANT TO WEAR

Sani-Terry Handpieces are accurately made, light in weight, smooth and true in operation, and are resistant to wear at every point where wear is usually first to occur in a handpiece.

Sani-Terry Contra-Angles are designed to prevent wear of the handpiece. There is no wear on the bur chuck when they are used.

CLEV-DENT CONTRA-ANGLE U

If preferred, Clev-Dent Contra-Angle U may be used with the Sani-Terry Handpiece. It fits accurately over the handpiece and is free from unnecessary vibration.



MAY 1946

Oral Hygiene

In This Issue:
DESIGNED FOR CHILDREN

enfection



ALWAYS DEPENDABLE!

With the Perfection Casting Machine, casting becomes the simplest step in the production of any cast restoration from inlay to denture. The only additional equipment needed for large castings is a set of Akers flasks, Akers counterweight and extra large crucible.

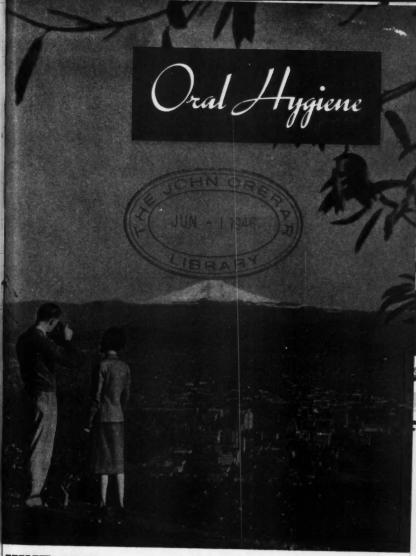
Perfection Casting Machine \$25,00 Equipment for large castings....

CLEY-DENT

CLEVELAND

DENTAL MANUFACTURING CO. CLEVELAND 1, OHIO

Serving the Profession Since 1893"



JUNE 1946

n This Issue:

How to Make Yours a "CONTROL PRACTICE"



LESS TIME is required for condensing a gold foil or amalgam filling with the *Pneumatic Condenser* than with hand mallet or other methods. The severity and length of the operation is reduced for both patient and operator.

Both amalgam and gold foil are condensed to greater density with the *Pneumatic Condenser* than when other methods are used. Flow of amalgam is lessened and its desirable qualities are increased.

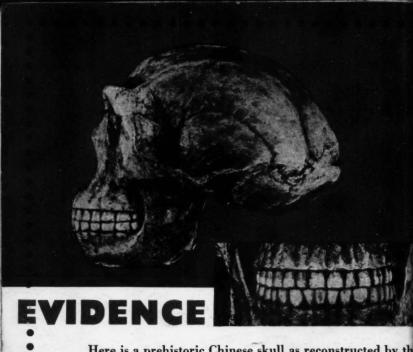


CLEVELAND DENTAL MANUFACTURING CO.

Serving the Profession Since 1893"



you a generous check for your old gold and other precious metal scrap. Whether you plan to clamber up a pyramid or just sit and watch the burros go by, whether you plan to dip in the briny deep, blast 'em out of the sand traps or do your shooting with a camera ... that check from Spyco will come in mighty handy. For a third of a century Dentists have depended on our scientific processes to get the most for their bridge scrap, platinum and palladium alloys, silver amalgam. Also their grindings and sweeps. Ship early ... thru your dealer or direct.



Here is a prehistoric Chinese skull as reconstructed by the Museum of Natural History. Compare the bone structure of the marginal gum line in the ancient teeth with those found in your patients' mouths. Does not this tend to bear out the teaching of certain periodontists, that chewin coarse, unrefined foods by earlier peoples tended to pre vent periodontal disease?

IPANA plus massage provides chemical and mechani cal stimulation to aid in improving local blood supply so necessary in an era of soft, refined diet. When patient ask advice in the choice of a dentifrice, why not recom mend Ipana?

IPANA

A Product BRISTOL-MYERS COMPAN

19-J W. 50th St., New York 20, N.

the ture hose bear wing pre-

ani ply ent

IPAN N. 1